MIDDLEBURY COLLEGE

Course Catalog

Supplement for 1981-82

Middlebury College complies with the 1964 Civil Rights Act, Title IX of the Educational Amendments of 1972, the IRS Anto-Bias regulation and Section 504 of the Rehabilitation Act of 1973. In so doing, Middlebury College does not discriminate against any individual on the basis of race, color, sex, religion, ethnic origin or handicap in any of its programs or activities. The Dean of the College, Old Chapel, Middlebury College, Middlebury, VT 05753 (Tel. 802-388-2858) is responsible for coordinating the College's efforts to comply with sec. 504, Rehabilitation Act of 1973.

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HOW TO USE THIS SUPPLEMENT

As a guide to courses which will be offered at Middlebury College during the 1981-82 academic year, this supplement must be used in conjunction with the College's 1980-81 Registration Catalog. Some of the courses listed in that Catalog have been modified in one or more ways or have been dropped from next year's offerings, while some new courses which do not appear in the Catalog have been added.

This document lists every course already carried in the 1980-81 Catalog, indicating whether the course is being offered again without change, offered again but modified in certain respects, omitted in 1981-82 or dropped completely from the curriculum. It also gives all details for the new courses introduced since the Catalog was published. When using this supplement, please keep the following in mind:

1. If a course is being offered again without change, only its title and the term it will be offered are listed.

2. If a course has been changed in some way, only its title and the changes (i.e., new instructor's name, new description, etc.) are listed here; all other information relating to the course is in the Catalog and students may assume that the other information still applies.

3. If a course is being omitted in 1981-82, its title is placed in brackets.

4. If a course has been dropped entirely from the curriculum, its title is followed by the word, "deleted."

5. As in the Catalog, Foundations Courses are preceded by an asterisk (*) in departmental copy.

6. All faculty (excluding those people not yet hired) for the 1981-82 academic year are listed at the beginning of their department copy.

FOUNDATIONS COURSES FOR 1981-82

FOREIGN LANGUAGES DIVISION

CL 115 INTRODUCTION TO GREEK ARCHAEOLOGY. Fall.
CL 116 HISTORY OF GREECE. Spring.
(CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES)
CL 150 THE ANCIENT EPIC. Fall.
FL 201 INTRODUCTION TO LINGUISTICS. Fall.
(FL 205 THE NATURE OF LANGUAGE)
FL 251 LITERATURE AND REVOLUTION. Fall.
#FL 252 THE ART OF CINEMA. Spring.
(FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST)
RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880). Fall.
RU 152 REVOLUTIONARY LITERATURE IN A REVOLUTIONARY SOCIETY: RUSSIAN MODERNISM (1880-Present). Spring.
(SI 290 DANTE: THE DIVINE COMEDY (IN ENGLISH))

HUMANITIES DIVISION

AL 101 THE AMERICAN CHARACTER IN LITERATURE. Fall, Spring.
AR 101 AN INTRODUCTION TO ART AND ART HISTORY. Fall.
EL 110 CONTINENTAL FICTION. Spring.
EL 111 EUROPEAN DRAMA: RENAISSANCE TO MODERN. Fall.
EL 112 MYTHOLOGIES TIMELESS AND TIMELY, TRADITIONAL AND CONTEMPORARY. Spring.
MU 101 INTRODUCTION TO MUSICAL STYLES
(MU 109 RUDIMENTS OF THE MUSICAL LANGUAGE)
PA 102 THE GOOD AND THE TRUE. Fall.
PA 170 THE WAY TO REASON
PA 180 INTRODUCTION TO MODERN LOGIC. Fall.
RE 105 INTRODUCTION TO THE ENGLISH BIBLE. Spring.
RE 110 INTRODUCTION TO WESTERN RELIGIOUS LIFE AND THOUGHT. Spring.
RE 115 INTRODUCTION TO EASTERN RELIGIOUS LIFE AND THOUGHT. Fall.
RE 220 THE SHAPING OF AMERICAN RELIGIOUS LIFE. Fall.
TH 116 MASTERS AND MASTERWORKS OF THEATER. Fall, Spring.
(#TH 117 FILM FORM AND FILM SENSE)

NATURAL SCIENCES DIVISION

BI 100 EVOLUTION BY NATURAL SELECTION: HISTORICAL DEVELOPMENT AND CURRENT STATUS OF AN IDEA. Spring.
BI 125 INTRODUCTION TO BIOLOGICAL PRINCIPLES. Fall.
CH 110 CHEMISTRY--THE FORMATIVE YEARS: 1800-1915. Fall.
GL 102 DYNAMIC EARTH. Spring.
GL 171 GLOBAL TECTONICS. Fall.
MA 105 FINITE MATHEMATICS: PROBABILITY, STATISTICS AND MATRICES. Fall.
MA 107 FOUNDATIONS OF MATHEMATICS. Spring.
MA 123 COMPUTER PROGRAMMING I. Fall.
MA 227 SET THEORY. Fall.
PH 101 THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT. Spring.
PH 155 INTRODUCTION TO THE UNIVERSE. Fall.

SOCIAL SCIENCES DIVISION

HI 103 TURNING POINTS IN EARLY MODERN HISTORY. Fall.
HI 104 MODERN REVOLUTIONS. Spring.
PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall.
PS 107 POLITICS AND THE STUDIES OF POLITICS. Spring.
SA 105 SOCIAL MAN AND SOCIAL ORDER: ISSUES IN FREEDOM AND CONSTRAINT. Fall,Spring.

#No student may take both FL 252 and TH 117 for Foundations Course credit.

DIVISION OF FOREIGN LANGUAGES

*FL 201 INTRODUCTION TO LINGUISTICS. Fall.

(*FL 205 THE NATURE OF LANGUAGE)

(FL 220 MODERN ASIAN FICTION IN TRANSLATION)

*FL 251 LITERATURE AND REVOLUTION. Fall. New Description. A comparative study of 20th century literature in which a main concern is political revolution or social upheaval. Fictional works of significant literary value and informed by contrasting ideological perspectives which have dealt with revolutions in various parts of the world will form the central concern of this course. One lecture will treat the social and historical background of the work under consideration and the other lecture will focus on the literary characteristics of the novel or literary movements and cultural heritage. The discussion sections will seek to explore the interrelationship between political values contained within each work and the literary techniques which it employs. Guest lectures, selected films and videotapes will augment the readings. Mr. Berninghausen, Mr. Veguez.

*FL 252 THE ART OF CINEMA. Spring.

(FL 316 SYMBOLISM AND MODERN POETRY)

FL 340 THE ART AND CRAFT OF TRANSLATION. Spring. A workshop-style course for students with upper-level language training (classical and modern) involving the transmutation of texts (poetry and prose) into workable English literary form. Limited to 12 students. Mr. Harris.

(FL 352 INNOCENCE AND MADNESS IN MODERN FICTION)

(FL 405 SEMINAR: KAFKA)

Additional Courses Offered in English remain the same with the following exceptions:

(*CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES)

*CL 150 THE ANCIENT EPIC. Fall.

(*FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST)

(FR 350 FRENCH CINEMA)

(RU 351 DOSTOEVSKY)

(*SI 290 DANTE: THE DIVINE COMEDY)

DIVISION OF HUMANITIES

HM 120 FOLKLORE. Fall. New Course. This course deals mainly in definitions and examples. It will include such items as myth, legend, tale, song, superstition, belief, custom, art, drama, medicine, riddles, proverbs and humor. It will take into consideration such things as occupational and ethnic folklore and will also discuss ways wherein folklore might be studied - - geographical, historical, environmental and psychological. Mr. Beck.

HM 220 FOLKLIFE. Fall. New Course. This course presupposes a knowledge of folklore. We will investigate the product of folklore--the interaction between lore, occupation, and environment. As a core we will study architecture, its development and adaptation in design and materials as it moved from one area and one occupation to another and as it was modified in terms of material and economics. We will discuss the controls placed upon occupations by tradition, e.g. the necessity of having one Welsh man in every mine, taboos and rites attendant upon various life styles, and the artistic and aesthetic results of folklore-and-occupation. Such things as carving decoration, manufacture of tools, and selection of sundry material will be investigated. Offered in alternate years. Mr. Beck.

(HM 305 POETRY, VALUES AND COMMITMENT)

(HM 320 FOLKLORE AND LITERATURE. Fall. New Course. Not Offered Until 1982-83. This course is designed to examine how and why the conscious artist employs folklore in literature. At the same time, we will see how the process reversed itself and how the folk adapt the works of conscious artists and make the material their own. In one sense it is a study in editing critically. The course will cover various items, from the direct use of themes to the employment of folk food, speech, supersitition, belief, custom, costume and attitude. Material for the course will come, mainly, from English and American writers of prose and poetry. On one hand, it will examine a short story like Elizabeth Bowen's, "The Demon Lover" (a rewriting of a Child Ballad), on the other it will look at the works of Toelkin and Eudora Welty, who rearrange folklore to create a new lore. Offered in alternate years. Mr. Beck.)

DIVISION OF NATURAL SCIENCES

(NS 106 INTRODUCTION TO STATISTICAL SCIENCE)

NS 150 ENVIRONMENTAL SCIENCE. Fall.

AMERICAN LITERATURE

Professors: Stephen Donadio, John McWilliams (chairman).
Instructor: Veronica Makowsky. Visiting Lecturer: Joanne Jacobson.

Major Program: To qualify as a candidate for departmental honors a student must have had an average of B+ or better for previous work in the department.

Freshman Writing Program: AL 102 and one section of BI 203 will fulfill the freshman writing requirement. HI 203 will not.

*AL 101 THE AMERICAN CHARACTER IN LITERATURE. Fall, Spring. Staff.

AL 102 THE AMERICAN SHORT STORY. Spring. New Course. A study of the development of the short story with particular attention to Poe, Hawthorne, Twain, Anderson, Hemingway and Faulkner. We will focus upon the change from self-contained 19th-century tales to 20th-century books which combine separable stories into a coherent whole. (AL 102 fulfills the freshman writing requirement.) Mr. McWilliams.

AL 201 AMERICAN LITERATURE: 1620-1830. Fall. Ms. Jacobson.

AL 202 AMERICAN LITERATURE: 1830-1865. Fall, Spring. Ms. Makowsky, Fall; Mr. Donadio, Spring.

AL 203 AMERICAN LITERATURE: 1865-1940. Fall, Spring. Mr. Donadio, Fall; Ms. Jacobson, Spring.

AL 204 RECENT AMERICAN LITERATURE: 1940-Present. Spring. Ms. Makowsky.

AL 301 THE AMERICAN NOVEL. Fall. Mr. McWilliams.

AL 302 THE AMERICAN NOVEL. Spring. New Description. A study of the themes and forms of 20th-century American fiction. Concentration upon Dreiser, Hemingway, Fitzgerald, Faulkner, Dos Passos, West, Wright and Bellow. Mr. Donadio.

AL 303 THE AMERICAN SHORT STORY. Deleted. See AL 102.

AL 304 MODERN AMERICAN POETRY. Fall. New Description. A study of American poetry of the modern period with emphasis on the poems of Robinson, Frost, Eliot, Stevens, Crane and Williams. Ms. Makowsky.

(AL 305 CONTEMPORARY AMERICAN POETRY) Offered in 1982-83.

AL 401 FOLKLORE AND MYTHOLOGY. Deleted.

AL 402 FOLK LIFE. Deleted.

(AL 420 AMERICAN CULTURE: 1941-1961) Offered in 1982-83.

AL 430 THE MODERN SHORT STORY. Spring. New Course. A study of the short fiction of 20th-century British and American authors: D. H. Lawrence, Joseph Conrad, James Joyce, Katherine Mansfield, Frank O'Connor, Allan Sillitoe, William Faulkner, Ernest Hemingway, Flannery O'Connor, Eduora Welty, J. D. Salinger and John Cheever. Discussion will focus on the fundamental elements of fiction: plot, character, theme, style, point of view and structure. The course will give special consideration to tradition and innovation and the limits and possibilities of the short story form. Mr. Huddle.

AL 440 REGIONALISM: THE SOUTH. Spring. New Description. An examination of 20th-century American writers who treat the South as a special, sometimes separable region with its own distinctive cultural traditions. Although the course will concentrate upon Faulkner, considerable attention will be given to O'Connor, Welty and Warren, among others. Ms. Makowsky.

AL 445 SEMINAR: AMERICAN WOMEN AND THE LAW: 1848-1980. Spring. New Course. A study of the status of American women from the Seneca Falls Convention to the most recent court cases. The course will draw on novels to illustrate the problems at hand, and upon pertinent court cases to illustrate a variety of resolutions. The chief text book will be Barbara Babcock's Sex Discrimination and the Law, but no previous legal knowledge will be assumed. Limited to 20 students. Ms. Lauren.

AL 450 SEMINAR IN MAJOR AUTHORS. Fall, Spring. New Description. Intensive study of one author or of two closely related authors. Readings will include secondary sources (biographical and critical) as well as the author's major writings. A lengthy term paper will be required. Limited to 20 students. Open to junior majors, senior majors and, space permitting, interested non-majors.

Fall	MARK TWAIN	Ms. Jacobson
Spring	HEMINGWAY AND FITZGERALD	Mr. McWilliams

AL 500 SPECIAL RESEARCH. Fall, Winter, Spring. New Description. Individual research upon a topic not covered in regular course offerings. Instructor's permission necessary. During winter term, all senior majors will take AL 500 to prepare for senior comprehensive examinations. Preparation will be supervised by Ms. Makowsky.

AL 700 SENIOR RESEARCH. Fall, Winter, Spring. Staff.

AL 704 SENIOR SEMINAR. Fall.

AL 705 SENIOR SEMINAR. Spring. Ms. Jacobson.

PROGRAM IN AMERICAN STUDIES

Major Program: In paragraph 3, note next year's advisers: Mr. McWilliams (Program chairman), Mr. Cox (History), Mr. Ferm (Religion), Mr. Haerle (Sociology/Anthropology), Mr. Davis (Political Science), Mr. Claudon (Economics), and Mr. Wilson (Art).

I. Courses required of all students: Replace #9 with:

9. One of the following:

SA 330	PERSPECTIVES OF AMERICAN SOCIETY AND CULTURE
SA 343	AMERICAN COMMUNITY STUDIES
SA 354	ETHNIC GROUPS
SA 390	SOCIOLOGY OF WOMEN

II. Four related American courses. . .Courses remain the same with the following exceptions:

American Literature

Delete:	AL 303	AMERICAN SHORT STORY
	AL 420	AMERICAN CULTURE: 1941-1961
Add:	AL 445	AMERICAN WOMEN AND THE LAW: 1848-1980. Spring.
	AL 450	SEMINAR IN MAJOR AUTHORS. Fall, Spring.

Art

Delete:	AR 403	SEMINAR IN MODERN ARCHITECTURE: EARLY MIDDLEBURY
	AR 407	SEMINAR IN AMERICAN ART: WINSLOW HOMER
Add:	AR 212	THE AMERICAN LANDSCAPE. Spring.

Economics

Delete:	EC 370	MONETARY THEORY AND INSTITUTIONS
Add:	EC 360	URBAN ECONOMICS. Fall.
	EC 385	LABOR ECONOMICS. Spring.
	EC 475	MONETARY THEORY AND INSTITUTIONS. Spring.

History

Add:	HI 303	THE AMERICAN REVOLUTION. Fall.

Political Science

Delete:	Current copy	
Add:	PS 208	THE POLITICS OF THE U.S. CONGRESS. Spring.
	PS 306	AMERICAN CONSTITUTIONAL LAW. Fall.
	PS 425	THE AMERICAN PRESIDENCY. Fall.
	PS 212	POLITICS OF THE FEDERAL BUREAUCRACY. Spring.

Religion

Add:	RE 306	THE PURITAN TRADITION IN AMERICA. Fall.

Sociology-Anthropology

Delete:	SA 345	WORK, LEISURE AND SPORT
	SA 387	SOCIOLOGY OF LAW
	SA 388	DEVIANCE
Add:	SA 315	SOCIOLOGY OF EDUCATION. Spring.
	SA 316	SOCIOLOGY OF YOUTH. Spring.
	SA 330	PERSPECTIVES OF AMERICAN SOCIETY AND CULTURE. Spring.
	SA 390	SOCIOLOGY OF WOMEN. Fall.

III. Advanced Studies:

AS 400	SEMINAR IN AMERICAN STUDIES (Junior Year). Fall.
AS 401	RESEARCH SEMINAR (Junior Year). Spring.
AS 500	INDEPENDENT STUDY. Fall, Spring.
AS 700	SENIOR THESIS. Fall, Winter and Spring.
AS 704	SEMINAR IN AMERICAN STUDIES (Senior Year). Spring.

ART

Professor: Robert Reiff. Associate Professors: Glenn Andres (chairman), David Bumbeck, John Hunisak. Assistant Professors: Eric Nelson. Instructor: Christopher Wilson. Visiting Johnson Professor: Annette Michelson (fall term).

*AR 101	AN INTRODUCTION TO ART AND ART HISTORY. Fall.
AR 102	MODERN ART. Spring.
(AR 103	INTRODUCTION TO FAR EASTERN ART)

AR 201 ART OF THE ITALIAN RENAISSANCE. Fall.

AR 204 THE ART OF CHINA. Spring.

AR 205 FIGURE DRAWING. Fall.

AR 206 FIGURE DRAWING. Spring.

(AR 207 AMERICAN PAINTING: 1750-1900)

AR 209 STUDIO ART I. Fall. Mr. Nelson.

AR 210 STUDIO ART II. Spring. Mr. Nelson.

AR 212 AMERICA: THE VISUAL ENVIRONMENT. Spring. New Course. In a given year attention will focus on a major issue with regard to the design of or reaction to the visual environment. The theme for 1981-82 will be The American Landscape: 1825-1875. The course will use an interdisciplinary approach relating art, literature and history to study America's changing attitudes toward their landscape environment. In addition to surveying the development of American landscape painting, we will also study a number of popular landscape sites, including the Catskills, the Adirondacks, and the Hudson River. Lectures and discussion sections. Mr. Wilson.

(AR 213 KOUROS TO CONCEPT: ISSUES IN THE HISTORY OF SCULPTURE FROM ANTIQUITY TO THE PRESENT)

(AR 216 ART OF THE MIDDLE AGES)

(AR 301 MODERN ARCHITECTURE)

AR 302 BAROQUE ART: PAINTING, SCULPTURE AND ARCHITECTURE OF SEVENTEENTH CENTURY ROME. Fall. New Description. During the period to be considered, Rome was the undisputed capital of the art world. From the vast projects of Pope Sixtus V to the death of Bernini, we will investigate the richness, diversity and splendor or artistic creation under a Church Triumphant. Mr. Hunisak.

AR 303 NORTHERN EUROPEAN ART: 1300-1600. Spring. New Description. Northern European art from the 14th to the mid-16th century. Problems of style and iconography will be discussed, with stress upon such figures as Claus Sluter, Jan van Eyck, Hugo van der Goes, Durer and Breugel. Mr. Reiff.

(AR 304 THE ART OF NORTHERN EUROPE: THE BAROQUE)

AR 305 PAINTING A SCULPTURE OF NINETEENTH CENTURY EUROPE. Fall.

(AR 307 THE ART OF THE CITY)

(AR 308 LATE MODERN ART)

AR 309 PAINTING. Fall. Staff.

AR 310 PAINTING. Spring. Staff.

(AR 311 ANCIENT ART)

(AR 312 ROMAN ART)

AR 315 PRINTMAKING. Fall.

AR 316 PRINTMAKING. Spring.

(AR 317 PHOTOGRAPHY)

AR 319 SCULPTURE. Fall.

AR 320 SCULPTURE. Spring.

AR 400 THE ART WORK AND THE WORD. Spring. Mr. Wilson.

AR 401 SEMINAR IN MODERN ART. Fall, Spring. New Description. This fall's topic will be Post-Impressionism and the Birth of Modern Art. What is known as "modern" art begins in the 19th century and certainly takes form about 1885 as a viable alternative to the broad wave of realism which develops in the proto-Renaissance with Giotto. This seminar will examine Cezanne, Gauguin, Van Gogh and Seurat as progenitors of the modern movement and of such artistic developments as abstraction, surrealism and expressionism. Each student will deliver and direct a seminar session. There will be in addition lectures, reading and discussions. (Permission.) Limited to 12 students. Mr. Reiff.

This spring's topic will be the art of Auguste Rodin--the first sculptor of genius since the death of Bernini, the dominant personality of 19th century sculpture and the formal innovator who inspired countless 20th century sculptors. A reading knowledge of French would be helpful. (Permission.) Limited to 12 students. Mr. Hunisak.

(AR 403 SEMINAR IN MODERN ARCHITECTURE: EARLY MIDDLEBURY)

AR 404 SEMINAR IN MEDIEVAL ART. Fall. New Course. The major Romanesque and Gothic monuments of 12th century France will serve as focal points for our study of medieval life and culture. Among the topics to be discussed are: the art form and aesthetics of French monasticism; the birth of Gothic and the Abbey of Saint-Denis; the western portals of Chartres and the rise of learning; the development of scholasticism and Gothic architecture; and the aesthetics of light and the stained glass of Chartres. We will also study some of the major personalities of the 12th century, including Bernard of Clairvaus, Peter Abelard, Abbot Suger, Peter the Venerable and Gislebertus. (Permission.) Limited to 12 students. Mr. Wilson.

(AR 405 SEMINAR IN BAROQUE ART)

(AR 406 SEMINAR IN RENAISSANCE ART)

(AR 407 SEMINAR IN AMERICAN ART)

AR 510 ADVANCED STUDIES IN ART HISTORY. Staff.

AR 520 ADVANCED STUDIES IN STUDIO. Staff.

AR 710 SENIOR INDEPENDENT STUDY IN ART HISTORY. Staff.

AR 720 SENIOR INDEPENDENT STUDY IN STUDIO. Staff.

BIOLOGY

Professors: Duncan McDonald, George Saul, Christopher Watters (chairman), Howard Woodin. Assistant Professors: Dwight Baker, C. Randall Landgren, Thomas Root. Lecturer: Steven Young, Adjunct Professor. Assistants: Wayne Scott, H. Peter Wimmer.

*BI 100 EVOLUTION BY NATURAL SELECTION: HISTORICAL DEVELOPMENT AND CURRENT STATUS OF AN IDEA. Spring.

*BI 125 INTRODUCTION TO BIOLOGICAL PRINCIPLES. Fall. Mr. McDonald, Mr. Landgren.

BI 190 GENERAL ECOLOGY. Spring.

(BI 201 INVERTEBRATE BIOLOGY)

+BI 203 BOTANY. Spring. New Description. Delete the study of fungi. One section of this course will fulfill the freshman writing requirement. Mr. Landgren.

BI 205 DEVELOPMENTAL BIOLOGY. Spring. Mr. Watters.

+BI 220 COMPARATIVE CHORDATE MORPHOLOGY. Fall.

BI 225 TOPICS IN HUMAN GENETICS. Spring.

BI 230 MICROBIOLOGY. Fall. (Prerequisites - BI 250 or equivalent.)

BI 250 ORGANELLES AND CELLS: AN INTRODUCTION TO CONCEPTS AND METHODOLOGY. Spring. Mr. Saul, Mr. Watters.

+BI 270 THE BIOLOGY OF BIRDS. Spring. New Course. A survey of the general characteristics of birds including anatomy, physiology, evolution and ecology, with special emphasis of behavioural patterns, population dynamics and migration. Laboratory studies will include external characteristics, anatomy and classification (using material in the College collection of mounted birds, skins and eggs); field trips will introduce students to field identification; and each student will follow and report on the mating and nesting behaviours of some species of local birds. (BI 125 or permission.) 3 hrs. lect., 3 hrs. lab. Mr. McDonald.

BI 303 PLANT PHYSIOLOGY. Fall. Mr. Landgren.

BI 311 ECOSYSTEM ANALYSIS. Fall.

BI 314 MOLECULAR GENETICS. Fall.

(+BI 316 ANIMAL BEHAVIOR)

BI 320 COMPARATIVE ANIMAL PHYSIOLOGY. Spring.

(BI 325 MEDICAL MICROBIOLOGY)

BI 330 EXPERIMENTAL METHODS IN MICROBIOLOGY. Spring. New Description. An advanced examination of the topics of microbial physiology and ecology, tumor virology, mutagensis and research immunology. The course will be laboratory-oriented with primary emphasis on prokaryotes. Students will be acquainted with the techniques of chromatography, replica-plating selection, bacterial characterization, immunofluorescense and immunodiffusion. Students will be required to work on a laboratory project culminating in a research paper. (BI 230 and BI 225 or 314; or permission.) 6-8 hrs. lab to be arranged. Mr. Baker.

BI 350 TOPICS IN CELLULAR BIOLOGY. Fall. New Description. Emphasis on the integrative organization of cellular structure and function, especially with respect to the role of "compartmentalization" in transport, motility, synthesis and metabolism. A critical and experimental approach to the study of cellular phenomena will be stressed and in part will involve physical and chemical concepts and methods. Laboratory experiments and seminar discussions are designed to implement this approach and to introduce students to current methodology employed in the isolation and investigation of cellular organelles. Students will submit a criticism of one primary journal reference. (BI 250 and CH 241.) 3 hrs. lect., 4 hrs. lab or disc. Mr. Watters.

BI 401 ADVANCED GENETICS. Fall.

(BI 415 ADVANCED TOPICS IN PLANT BIOLOGY)

BI 418 PLANT ECOPHYSIOLOGY. Deleted.

BI 425 TOPICS IN SYMBIOLOGY. Spring.

BI 500 ADVANCED STUDY. Fall, Winter, Spring.

BI 750 SENIOR WORK (ENVIRONMENTAL STUDIES). Fall, Winter, Spring.

BI 900 RESEARCH AND THESIS. Fall, Winter, Spring.

+See Major Program, paragraph 10.

CHEMISTRY

Professors: Robert Gleason, Grant Harnest, Edwin Pool, E. Kirk Roberts. Assistant Professors: Thomas Copeland, Maggie O'Brien, David Reingold.

Major Program: Change final paragraph to read: +CH 101 is the normal introductory course in chemistry. However, many students qualify for permission to omit CH 101 and begin studies in Chemistry with CH 131 or CH 211 or CH 241. Some students may be permitted to omit both CH 101 and CH 131. Consult the chairman of the department.

CH 101 FUNDAMENTALS OF CHEMISTRY. Fall, Spring. Mr. Reingold, Mr. Roberts.

CH 107 Same as CH 101 but without the lab.

*CH 110 CHEMISTRY--THE FORMATIVE YEARS: 1800-1915. Fall.

CH 131 SYSTEMATIC INORGANIC CHEMISTRY. Fall, Spring.

CH 137 Same as CH 131 but without the lab.

CH 211 ANALYTICAL CHEMISTRY I. Spring.

CH 217 Same as CH 211 but without the lab.

CH 241, CH 242 ORGANIC CHEMISTRY I AND II. Fall, Spring.

CH 247, CH 248 Same as CH 241, CH 242 but without the lab.

(CH 322 EXPERIMENTAL BIOCHEMISTRY)

CH 341 ORGANIC CHEMISTRY III. Fall.

CH 351 PHYSICAL CHEMISTRY I. Fall.

CH 352 PHYSICAL CHEMISTRY II. Spring. New Description. A continuation of CH 351. Further applications of thermodynamics to chemistry by use of chemical potential. The Phase rule. Electrochemistry. Elements of statistical thermodynamics are applied to ideal gases. Theories of chemical kinetics. (CH 211, CH 351.) 3 hrs. lect., 4 hrs. lab. Breakage fee. Mr. Copeland.

CH 357 Same as CH 351 but without the lab.

CH 358 Same as CH 352 but without the lab.

CH 421 BIOCHEMISTRY. Fall. 3 hrs. lect., 4 hrs. lab. Breakage fee.

CH 422 BIOCHEMISTRY. Spring. 3 hrs. lect., 4 hrs. lab. Breakage fee.

CH 427/428 Same as CH 421/422 but without the lab.

CH 431 ADVANCED INORGANIC CHEMISTRY. Spring.

CH 442 ADVANCED ORGANIC CHEMISTRY. Fall. Mr. Gleason or Mr. Reingold.

(CH 443 ADVANCED ORGANIC CHEMISTRY)

(CH 452 PHYSICAL CHEMISTRY III)

CH 500 INDEPENDENT STUDY PROJECT. Fall, Spring.

CH 700 SENIOR WORK. Fall, Winter, Spring.

CHINESE

Associate Professor: John Berninghausen (chairman). Lecturer: Gregory Chiang.

CS 101 BEGINNING CHINESE. Fall. Mr. Berninghausen and Staff.

CS 102/WT BEGINNING CHINESE. Winter.

CS 102 BEGINNING CHINESE. Spring. Mr. Berninghausen and Staff.

CS 201 INTERMEDIATE CHINESE. Fall. Mr. Berninghausen, Mr. Chiang.

CS 202 INTERMEDIATE CHINESE. Spring. Mr. Berninghausen, Mr. Chiang.

(CS 225 CHINESE POETRY IN TRANSLATION)

CS 301 ADVANCED CHINESE (MODERN CHINESE). Mr. Chiang.

CS 302 ADVANCED CHINESE (MODERN CHINESE). Mr. Chiang.

CS 401 ADVANCED READINGS SEMINAR IN CHINESE INTELLECTUAL AND POLITICAL HISTORY: 1839-1919 (IN CHINESE). Fall.

CLASSICAL STUDIES PROGRAM

Program description and courses remain the same with the following exceptions:

Under "Required for the Major in Classical Studies" #3. line 3, change the reference to "Classical Poetry" to "Classical Philosophy."

I. Classical Poetry

Bracket: CL 320 SOCIOLOGY OF THE ANCIENT WORLD
CL 421 SEMINAR IN CLASSICAL RHETORIC AND POETIC

Delete: CL 212 CLASSICAL BIOGRAPHY

Remove from Brackets: CL 420 SEMINAR IN CLASSICAL LITERATURE. Fall.

Add: *CL 115 INTRODUCTION TO GREEK ARCHAEOLOGY. Fall.
*CL 116 HISTORY OF GREECE. Spring.

II. Classical Philosophy

Bracket: *CL 121 CLASSICAL TRADITION OF THE LIBERAL ARTS

CLASSICS

Associate Professors: William Harris, Ursula Heibges. Assistant Professor: Eve Adler (chairwoman, on leave W & S terms). Visiting Assistant Professor: Maureen Cavanaugh.

Courses in English

CL 100 INTRODUCTION TO CLASSICAL STUDIES. Fall.

*CL 115 INTRODUCTION TO GREEK ARCHAEOLOGY. Fall. New Course. The archaeology of ancient Greece will be studied with a view to understanding the growth and development of Greek civilization, including political, social and economic structures as well as daily life. Beginning with the Minoan and Mycenaean periods and continuing through the archaic, classical and Hellenistic eras, the art and architecture of major sites will be discussed in addition to the other evidence which archaeological excavation has brought to light. The evolution of the techniques and procedures of archaeology will also be discussed with reference to the sites studied, which will include Knossos, Mycenae, Delphi, Delos, Olympia and Athens. Ms. Cavanaugh.

*CL116 HISTORY OF GREECE. Spring. New Course. The major political and social developments in the history of Greece from the Mycenaean civilization through the 4th century B.C. will be the focus of this course. Using as primary sources, in translation, the works of Homer, Herodotus, Thucydides, Zenophon and Aristotle, we will consider the development of historical thought and the writing of history. Other fundamental issues including the formulation of the three types of government (monarchy, aristocracy and democracy), the development of Athenian democracy and the role of the individual in such a government will also be considered. Ms. Cavanaugh.

(*CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES)

*CL 150 THE ANCIENT EPIC. Fall. This course will no longer fulfill the freshman writing requirement.

(CL 151 MASTERPIECES OF ROMAN LITERATURE)

CL 212 CLASSICAL BIOGRAPHY. Deleted.

CL 220 INTRODUCTION TO GREEK SCIENCE. Spring.

(CL 320 SOCIOLOGY OF THE ANCIENT WORLD)

CL 420 SEMINAR IN CLASSICAL LITERATURE. Fall. New Description. Studies in a classical author, genre or period to be determined. Ms. Cavanaugh.

(CL 421 CLASSICAL RHETORIC AND POETIC)

Courses in Greek and Latin

CL 101 BEGINNING LATIN. Fall. Ms. Adler.

CL 202 INTERMEDIATE LATIN. Spring.

CL 103 ELEMENTARY GREEK. Fall. Ms. Cavanaugh.

CL 204 INTERMEDIATE GREEK. Spring. Ms. Cavanaugh.

CL 301 ROMAN POETRY. Fall. Specific topic to be determined. Mr. Harris.

CL 302 ROMAN PROSE. Spring.

CL 303 GREEK POETRY. Fall. Ms. Adler.

CL 304 GREEK PROSE. Spring.

CL 550 ADVANCED READING IN LATIN AND GREEK. Fall, Spring.

CL 705 SENIOR ESSAY.

PROGRAM IN EAST ASIAN STUDIES

All courses remain the same except the following:
Alternative A, Section I and Alternative B, Section I:
Change title of HI 207 from IMPERIAL CHINA to TRADITIONAL CHINA.

Add (under "Five other courses to be selected by the student..."):
HI 209 TRADITIONAL JAPAN
HI 335 CHINESE INTELLECTUAL HISTORY
RE 215 SHINTO

Bracket: CS 225 CHINESE POETRY IN TRANSLATION

Delete: AR 208 THE ART OF JAPAN

Alternative A, Section III, and Alternative B, Section III:
EA 700 SENIOR THESIS May be taken in Fall or Spring.

Change list of faculty advisers to read:

Mr. Berninghausen, Chairman	(Chinese Language and Literature)
Mr. Clifford	(History)
Mr. Lopez	(Religion)
Mr. McGough	(Sociology/Anthropology)
Mr. Miyaji	(Oriental Languages and Culture)
Mr. Reiff	(Art)
Mr. Rosenberg	(Political Science)

ECONOMICS

Professors: Michael Claudon (chairman), John Craven, David Smith. Associate Professor: Richard Cornwall. Assistant Professors: David Audretsch, Paul Sommers. Visiting Assistant Professor: Zoltan Acs. Instructor: Juergen Fleck. Christian A. Johnson Distinguished Visiting Professor: Charles Kindleberger.
Major Program: Replace existing copy with:

I. The Major
Beginning with the Class of 1984, the Economics major consists of four sequences plus required senior work.

Introductory Sequence: EC 150, EC 155, MA 112, and MA 115 (or MA 113 and MA 200). Neither EC 150 nor EC 155 assumes any prior exposure to economics, but both courses presume a thorough working knowledge of algebra and of elementary calculus. This prerequisite may be satisfied either by a strong high school mathematics preparation or by completing MA 112.

NOTE: No student who receives a grade below C- in either EC 150 or EC 155 will be admitted into the Intermediate Theory Sequence without permission.

Quantitative Sequence: EC 210 and EC 211
Students must pass EC 210 with at least a C- to be admitted to EC 211 without permission. MA 105, a Foundations course,is particularly good preparation for EC 210.

Intermediate Theory Sequence: EC 350 and EC 355
MA 115 is a prerequisite for both courses beginning Spring Term 1982.

NOTE: It is important that these three sequences be completed by the end of the fall term, junior year.

Elective Sequence: At least four electives, two of which must be at the "400" level. "700" level courses cannot be substituted for "400" level courses.

Senior Work:
Each economics major must complete one term of EC 704, Senior Seminar, during the senior year.

Honors
Seniors interested in earning Honors in Economics may enroll in EC 800 during fall and winter terms or may extend fall work in EC 704 into a thesis by enrolling in EC 800 in winter and spring terms. In the latter case, the thesis is due by April 1. To enroll in EC 800, students must have completed the three nonelective sequences by the beginning of the fall term, senior year, and must have earned at least a B average in Economics courses.

II. Economic Concentrations
The following courses are not considered as applied economics courses, and therefore do not fill such a requirement in any economics or interdepartmental concentration involving economics: EC 100, EC 210, EC 211, EC 315 and EC 410.

III. Post-Graduate Preparation
Persons considering graduate programs in economics are urged to complete the first three sequences plus EC 410 and either MA 315 or MA 318.

Aspirants to M.B.A. programs are urged to complete the first three sequences plus EC 315 and EC 320.

Taking MA 112, MA 113, and MA 200 in lieu of MA 115 provides much more adequate preparation for graduate study in either economics or business than does MA 115 alone.

Law school candidates are strongly urged to take EC 315.

Because of the widespread use of computers in both M.B.A. and Ph.D. programs, majors should become familiar with computer programming by completing MA 123 (Computer Programming I).

EC 100 BASIC ELEMENTS OF THE AMERICAN ECONOMY. Fall, Spring. New Course. The course will involve a broad coverage of the historical background and central factors in the price-directed American economy. It will involve a study of our European heritage of economic ideas; demand and supply, along with relevant applications; the economic activity of firms and comsumers as portrayed in theory and practice; money and the monetary history of the U.S.; and a limited analysis of national economic aggregates. The course is designed to serve the interests of Freshmen and Sophomores. It will not count toward the Economics major. No mathematics capability is expected. (Juniors and Seniors by permission.) Mr. Smith.

EC 150 INTRODUCTORY ECONOMICS (MACRO). Fall, Spring.

EC 152 TOWARD ECONOMIC LITERACY. Deleted.

EC 155 INTRODUCTORY ECONOMICS (MICRO). Fall, Spring.

EC 210 ECONOMIC STATISTICS. Fall.

EC 211 ECONOMIC STATISTICS: INTRODUCTION TO REGRESSION ANALYSIS. Fall, Spring. New description. Introduction to the theory of finding a relation between one dependent variable and several independent variables. Topics include hypothesis testing, transformation of variables, dummy variables, serial correlation and bias due to simultaneity. Critical analysis of examples of regression analysis as well as a project requiring regression are important parts of the study. Applications of statistical methods include portfolio theory, tests of random walk hypotheses, choice under uncertainty, and alpha-

beta analysis of stock prices. A weekly one-hour lab at the computer center is a required component of this course. (EC 210.) Mr. Cornwall.

EC 230 THE INDUSTRIAL REVOLUTION AND ITS ANTECEDENTS. Deleted.

EC 315 ACCOUNTING. Fall, Spring.

EC 320 THE CORPORATION. Spring.

EC 330 THE ECONOMICS OF DEVELOPMENT. Deleted.

EC 335 COMPARATIVE ECONOMIC SYSTEMS. Fall. Mr. Acs.

EC 350 MACROECONOMIC THEORY. Fall. Mr. Fleck.

EC 355 MICROECONOMIC THEORY. Spring. Mr. Sommers.

EC 360 URBAN ECONOMICS AND THE ECONOMICS OF URBAN PROBLEMS. Fall. New Description. Consideration of such topics as the location of economic activity; trends in U.S. urban structure; urban transportation, housing and finance; planned cities; and metropolitan governments. (EC 155 and MA 112.) Mr. Fleck.

EC 365 ENVIRONMENTAL ECONOMICS. Fall.

(EC 380 RADICAL ECONOMICS) Offered in 1982-83.

EC 385 LABOR ECONOMICS. Spring. New Description. A study of the economics of manpower and the labor market; the role of unions; labor legislation. (EC 150 and EC 155.) Mr. Craven.

(EC 410 ECONOMETRICS) Offered in 1982-83.

EC 420 MATHEMATICAL MODELS IN MACROECONOMICS. Deleted.

EC 430 INEQUALITY AND POVERTY. Fall. New Description. This is a survey course of topics concerning the distribution of income and wealth in a mixed capitalist economy such as the United States. Topics covered will include most of the following: facts of the distribution of income and wealth, Markov chain and other models of social mobility, wealth inequality and taxation, negative income taxation and related antipoverty policies, human capital analysis and minimum wages. (EC 210 & EC 355 or permission.) Mr. Sommers.

EC 435 THE LABOR MANAGED ECONOMY. Fall. New Description. A study of an economic system where workers democratically control firms and where labor hires capital. This theory is developed to provide insights into capitalism as well as this alternative. The actual experience of Yugoslavia and of firms in this country will be examined. (EC 350 and EC 355.) Offered in alternate years. Mr. Cornwall.

EC 440 THE ECONOMICS OF INTERNATIONAL TRADE. Fall. New Prerequisites - EC 210, EC 350. Mr. Kindleberger.

EC 445 INTERNATIONAL FINANCE. Spring.

EC 450 HISTORY OF ECONOMIC THOUGHT. Spring.

EC 460 INDUSTRIAL ORGANIZATION. Fall.

EC 470 PUBLIC FINANCE. Spring. New Description. An analysis of the effects of government expenditure and taxation on economic efficiency. Topics include the efficiency in providing public services; externalities; cost-benefit analysis; and alternative modes of income redistribution including current welfare programs, consumption subsidies, and negative tax plans. (EC 355 or permission.) Mr. Sommers.

EC 475 MONETARY THEORY AND FINANCIAL INSTITUTIONS. Spring. New Description. Change first sentence to read: "A two-part course focusing on the U.S. financial system and the way it reacts to policy measures."

EC 495 ECONOMIC INTEGRATION AND POLITICAL SEVERALTY. Deleted.

EC 496 EUROPEAN ECONOMIC HISTORY. Fall. New Description. An account of the major trends in the economic development of Europe from the industrial revolution to the European Monetary agreement, with emphasis on the diffusion of industrial change and the course of events in international trade and finance. Mr. Kindleberger.

EC 497 MULTINATIONAL CORPORATION. Spring. New Course. Description not yet available. Mr. Kindleberger.

EC 498 EUROPEAN FINANCIAL HISTORY. Spring. New Course. Description not yet available. Mr. Kindleberger.

EC 500 INDIVIDUAL SPECIAL PROJECTS. Fall, Spring.

EC 700 SENIOR RESEARCH FOR HONORS. See EC 800.

EC 704 SENIOR SEMINAR. Fall,Spring. New Course. All economics majors must take one term of Senior Seminar. The Seminar will be divided into two consecutive, six-week mini-seminars, each of which will require a significant piece of original research. Staff.

EC 800 SENIOR RESEARCH FOR HONORS. Fall, Spring. (Permission.) Staff.

ENGLISH

Professors: Paul Cubeta, Robert Hill, David Littlefield, Edward Martin (on leave spring term), Robert Pack, Henry Prickitt (chairman). Visiting Professor: David Huddle. Associate Professor: David Price. Visiting Associate Professor: David Hadas. Assistant Professors: John Bertolini, Raymond Carney, John Elder (on leave), Elizabeth Mansfield (on leave fall term). Visiting Assistant Professors: Pamela Hadas, Sydney Lea, Elizabeth Napier.

Freshman Writing Program

EL 101 NARRATIVE FICTION. Fall, Spring.

EL 103 LYRIC AND NARRATIVE POETRY. Fall, Spring. Mr. Cubeta, Mr. Hill (Fall); Mr. Littlefield (Spring).

EL 104 DRAMA: CLASSICS AND COMMERCIALS. Fall, Spring. New Course. An examination of classic and contemporary forms of drama through the juxtaposition of Shakespearean plays with contemporary film, theater, television programs and commercials. In addition to Shakespeare's Henry IV, Part I and Othello, we shall study works by Pinter, Chaplin, Simon and selected examples of television programming. The course will emphasize critical writing as a means of developing the capacity for critical thought. Mr. Littlefield (Fall); Mr. Carney (Spring).

EL 105 DRAMA: MASTERPIECES. Fall. New Description. Masterpieces of comic drama by such playwrights as Aristophanes, Shakespeare, Moliere and Shaw will be analyzed in terms of the psychology of farce, the nature of comic form and the dramatic techniques of comedy so that, through class discussions and papers, new ways of enjoying and understanding the wit and wisdom of the comic vision may be discovered. Film versions and recordings of several of the plays will be used. Mr. Bertolini.

(EL 107 THE ESSAY)

EL 170 THE STRUCTURE OF FICTION. Fall, Spring. Staff.

EL 175 THE STRUCTURE OF POETRY. Fall, Spring. Mr. Price (Fall); Mrs. Hadas (Spring).

Major Program

Change (2) Distribution Courses to: A) EL 301, 302, 404; B) EL 224, 303, 304; C) EL 206, 305; D) EL 207, 313, 314, AL 301; E) EL 208, 209, 212, 229, 309, AL 302, 304; (3) a seminar, which may satisfy a distribution requirement; (4) Shakespeare (EL 321); (5) the Senior Program.

Change the first sentence of paragraph 2 to read: The Senior Program includes an optional written project (a Senior Essay or Honors Thesis) and the General Examination (required).

Literature

*EL 110 CONTINENTAL FICTION. Spring.

*EL 111 EUROPEAN DRAMA: RENAISSANCE TO MODERN. Fall. New Description. An introductory survey of the development of European dramaturgy from the rebirth of classical comedy in Renaissance Italy (Machiavelli and Ruzzante), through the Spanish Golden Age (Lope and Calderon), French Neo-Classicism (Corneille, Moliere, Racine, Beaumarchais), German Romanticism (Goethe, Schiller, Kleist), and the transition to Modern Drama (Zola, Ibsen, Shaw). European dramatists have consistently dealt with the great conflicts of western civilization--the private individual vs. the public, illusion vs. reality, lust vs. marriage--and in doing so have always sought new dramaturgic strategies to deal with their changing perceptions of the individual's place in the world. This course will concern itself with the embodiment of these themes in dramatic form. Mr. Bertolini.

*EL 112 MYTHOLOGIES TIMELESS AND TIMELY, TRADITIONAL AND CONTEMPORARY. Spring. New description. Analytic and comparative study of some of the basic stories, symbols, and archetypes which formed and continue to enliven the imaginative life of 20th-century western culture, including, among others, Homer's Odyssey, Sophocles' Oedipus, Lucretius' The Nature of Things, Ovid's Metamorphoses, selections from the Old and New Testaments, the works of Sigmund Freud and Carl Jung and concluding with Stanley Kubrick's film, 2001: A Space Odyssey. Mr. Littlefield.

EL 201 INTERPRETATION OF LITERATURE: CHAUCER, SHAKESPEARE, MILTON. Fall.

EL 202 INTERPRETATION OF LITERATURE: DONNE TO YEATS. Spring.

(EL 206 THE EARLY NOVEL)

EL 207 NINETEENTH CENTURY FICTION. Fall. (Delete reference to James.)

EL 208 THE TWENTIETH-CENTURY ENGLISH NOVEL. Fall, Spring. Mr. Price (Fall); Mrs. Mansfield (Spring).

(EL 209 CONTEMPORARY ENGLISH AND AMERICAN LITERATURE) Offered in 1982-83.

EL 211 CLASSICS OF LITERATURE: GREECE. Deleted.

EL 212 MODERN BRITISH POETRY. Spring. New Description. Through careful analysis of the style and thought of representative poems, this course will examine the work of the following poets: Hardy, Hopkins, Yeats, Auden, Thomas, Larkin and Hughes. The theme of the making to the choosing of the self (Yeats: "Myself I must remake.") will be emphasized. Mr. Pack.

EL 213 THE ORIGINS OF WESTERN HISTORY: ATHENS IN THE FIFTH CENTURY B.C. Deleted.

(EL 224 MEDIEVAL AND RENAISSANCE DRAMA) Offered in 1982-83.

(EL 227 GREEK DRAMA)

EL 229 MODERN BRITISH DRAMA. Spring.

EL 301 CHAUCER. Fall. New Course. Reading and discussion of selections from the Canterbury Tales and Troilus and Criseyde, with reference to intellectual backgrounds and developments in Gothic style through the 14th century. Mr. Bertolini.

EL 302 MEDIEVAL LITERATURE. Spring. Delete the final sentence of the description. Mrs. Hadas.

EL 303 ENGLISH LITERATURE OF THE SIXTEENTH CENTURY. Spring. New Description. The major achievements--lyric, narrative and dramatic--of the English Renaissance of such authors as More, Sidney, Spenser, Marlowe, Shakespeare and Jonson. Some attention will be paid to analagous literary achievements on the Continent. Mr. Bertolini.

AL 304 MODERN AMERICAN POETRY. Fall. See American Literature Department copy.

(EL 304 ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY) Offered in 1982-83.

EL 305 POETRY AND PROSE OF THE ENGLISH AUGUSTAN AGE. Fall. New Description. A critical investigation of the artistic achievement of major writers from 1660-1745, conducted primarily in terms of their evaluation of the political, religious, social, moral, intellectual and aesthetic activities of the times. Figures studied are Dryden, Addison and Steele, Swift, Pope and Gay. Mrs. Napier.

EL 308 TWENTIETH CENTURY SHORT STORY. Spring. New Course. A study of the short fiction of 20th century British and American authors: D. H. Lawrence, Joseph Conrad, James Joyce, Katherine Mansfield, Frank O'Connor, Allan Sillitoe, William Faulkner, Ernest Hemingway, Flannery O'Connor, Eudora Welty, J. D. Salinger and John Cheever. Discussion will focus on the fundamental elements of fiction: plot, character, theme, style, point of view and structure. The course will give special consideration to tradition and innovation, and the limits and possibilities of the short story form. Mr. Huddle.

EL 313 ENGLISH ROMANTICISM. Fall. Mr. Carney.

EL 341 VICTORIAN POETRY. Spring.

EL 315 LITERARY CRITICISM. Deleted.

(HI 318 ENGLISH HISTORY AS A BACKGROUND FOR ENGLISH LITERATURE)

EL 321 SHAKESPEARE. Fall, Spring.

EL 404 GEOFFREY CHAUCER. Deleted.

Seminars

All English department seminars are permission courses. The student must obtain the approval of the English department prior to registration.

EL 401 SEMINAR: LITERARY CRITICISM. Fall. New Course. What does language do to us? How does literature work? How is a text produced? Where does the context end and the text begin? Is a literary text essentially different from a scientific text, a psychological text, an historical text? This course will examine the writings of contemporary philosophers, critics and historians to explore how literature functions. We will begin by developing a general historical and theoretical background to the methods of contemporary literary criticism and semiotics (the science of human sign systems). The remainder of the course will be devoted to looking at some of the excitingly different ways contemporary critics have found to talk about four major writers. Mr. Carney.

EL 402 SEMINAR: D. H. LAWRENCE. Spring. New Description. A study of selected short stories, poems, critical essays, travel literature, a few novellas and the major works of fiction, including Sons and Lovers, The Rainbow and Women in Love. Mr. Price.

EL 403 SEMINAR: WORDSWORTH AND STEVENS. Fall. New Course.

"Our destiny, our being's heart and home,
Is with infinitude." -- Wordsworth

"And shall the earth
Seem all of paradise
that we shall know?" -- Stevens

Selected poems by Wordsworth and Stevens will be studied in the context of the themes of desire and fulfillment. Mr. Pack.

EL 407 SEMINAR: WILLIAM BUTLER YEATS. Deleted.

EL 408 SEMINAR: LITERATURE AND LAW. Deleted.

EL 409 SEMINAR: WOOLF AND RHYS. Deleted.

EL 421 SEMINAR: SHAKESPEAREAN TRAGEDY. Spring. (Was EL 423)

EL 423 SEMINAR: SHAKESPEAREAN TRAGEDY. (See EL 421)

Writing

EL 260 INTERMEDIATE WORKSHOP: NONFICTION. Fall. Mr. Hill.

EL 270 INTERMEDIATE WORKSHOP: FICTION. Fall, Spring. Mr. Lea (Fall); Mr. Huddle (Spring).

EL 275 INTERMEDIATE WORKSHOP: POETRY. Fall.

EL 460 SEMINAR: ADVANCED WRITING. Fall, Spring. Mr Huddle (Fall); Mrs. Hadas (Spring).

Special Projects
Copy remains the same as in the Catalog.

Senior Program
Change first paragraph to read: The Senior Program includes a required General Examination (EL 705) and an optional one-term Senior Essay or a two-term Honors Thesis (EL 700 or 710). Normally seniors register for one unit of EL 700 or 710 in the fall term and register for the General Examination in the Winter Term. Students undertaking two-term Honors Theses programs register for and complete them during spring term.

In paragraph 2, delete the sentence: "No Honors Theses will be accepted after May 1."

THE PROGRAM IN ENVIRONMENTAL STUDIES

Major Program: Change the Coordinator of Environmental Studies to Perry Hanson.

Ecology: change b) to 1 semester of Economics + 4 other pertinent cognates.

Environmental Physics: change c) to 1 semester of Economics + 3 semesters of pertinent cognates.

A proposal that would combine Geography, Environmental Studies and Northern Studies into a single program is now being studied. In the event that this proposal, or some modification of it, is adopted by the faculty, students in Environmental Studies should consult with their advisors in September to determine the effect the proposal's adoption will have on their programs.

FRENCH

Professors: Simon Barenbaum, Edward Knox. Associate Professors: Nancy O'Connor (at Middlebury in Paris), Carol Rifelj. Assistant Professor: Bethany Ladimer. Instructors: Mireille Barbaud, Martine Prieto.

Major Program: Change the last sentence in paragraph 3 to read: Students particularly interested in French civilization should consider not only FR 206, 222 and 313, but also those literature courses designed with a major socio-cultural component (FR 310 or 312 and FR 315 or 321); courses in other departments which deal in some depth with France (e.g. AR 102, 216, 305; HI 104; PS 225, 406); and the Middlebury summer and Paris programs.

Replace the three paragraphs under Required for the Major with the following: FR 205 or the equivalent; any two courses from FR 206, 207, 208 and 209, or the equivalent; four courses at the 300-level or above. Total of not fewer than 10 courses, not more than 14. Most courses taken in France will be at the 300-level. A French major at the School in Paris is expected to earn no more than 5 units (full-year program) or 3 units (semester program) toward the French major, exclusive of the preliminary session, which does not count toward the major. At least two courses in French must normally be taken during the senior year at Middlebury. College Board AP credits count toward graduation but not toward the major.

Replace Senior Work with the following: Senior Independent Work: The department encourages majors who are well prepared and have a high average to do independent work in their senior year. They may consider various formats: an essay (FR 500, one term) or a thesis (FR 700, fall and winter, or winter and spring). Independent work may also be undertaken in the context of a course or be linked to a teaching internship. To undertake a 500 or 700 project, students should present their proposal well in advance of registration for the semester when the work is to be done.

FR 101 INTENSIVE BEGINNING FRENCH. Winter.

FR 102 BEGINNING FRENCH. Spring.

FR 201 INTERMEDIATE FRENCH. Fall, Spring. New Description. Designed for students whose background in French is limited or shaky. An active and comprehensive review of language skills with emphasis on the sound system and syntactical problems. Staff.

FR 202 INTERMEDIATE FRENCH. Fall, Spring. New Course. A continuation of a comprehensive effort to develop skills in written and spoken French. This semester, while providing the second half of a year-long grammar review, will also emphasize a more

active use of the language, more short compositions, and will seek to develop flexibility and precision in oral expression. Staff.

Prerequisites to the Major

FR 205 TOWARD LIBERATED EXPRESSION. Fall, Spring

FR 206 INTRODUCTION TO CONTEMPORARY FRANCE. Fall, Spring. Mr. Knox.

FR 207 INTRODUCTION TO FRENCH POETRY. Spring.

FR 208 INTRODUCTION TO FRENCH THEATER. Fall, Spring.

FR 209 INTRODUCTION TO FRENCH PROSE. Fall, Spring.

Language, Literature, Civilization

(*FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST)

FR 215 WRITING IN FRENCH. Spring. New Description. This course will be devoted to a systematic review of grammar from basic problems to more complex concepts. It will develop the student's ability to write clear, nuanced and well-articulated French in a variety of modes and formats. Recommended for students who wish more language practice or whose instructor recommends such work before courses at the 300-level. (One course 206, 207, 208 or 209, or permission.) Ms. Prieto.

FR 222 FACETS OF A CHANGING FRANCE. Spring.

FR 305 ADVANCED LANGUAGE PRACTICE. Spring. Ms. Ladimer.

(FR 310 LITERATURE AND SOCIETY IN THE ANCIEN REGIME)

FR 312 THE FRENCH NOVEL IN THE AGE OF ENLIGHTENMENT. Fall. New Description. Readings in the novel and conte, largely in the 18th century, with special emphasis on l'esprit philosophique, the development of the novel, and the relationship of both to the society of the time. Authors will include LaFayette, Voltaire, Diderot and Laclos. Ms. Rifelj.

FR 313 FRENCH CIVILIZATION IN THE TWENTIETH CENTURY. Fall.

FR 315 THE NINETEENTH CENTURY NOVEL. Fall. Ms. Prieto.

(FR 316 NINETEENTH CENTURY POETRY)

FR 317 MODERN FRENCH THEATER. Spring. New Description. Change last sentence to read: Students will read the plays of Apollinaire, Giraudoux, Cocteau, Beckett, Genet and others. Ms. Barbaud.

FR 318 TWENTIETH CENTURY POETRY. Fall.

FR 320 THE TWENTIETH CENTURY FRENCH NOVEL. Fall. New Description. We shall study how time and space, two major elements in the 20th century novel, emanate from the increasing anthropocentricity of "Man's" world. Both sociological and psychological in its approach to the problem of the human condition, the novel also displays an extreme concern with the nature of the genre itself. Authors will include Proust, Malraux, Sartre, Butor and Beckett. Ms. Ladimer.

FR 321 FRENCH CLASSICAL THEATER. Fall.

(FR 331 THE FRENCH NOVEL AND THE CRISES OF "FEMININITY")

(FR 350 FRENCH CINEMA)

FR 442 WORKSHOP IN FRENCH THEATER. Spring.

FR 500 INDEPENDENT PROJECTS. Fall, Spring.

FR 700 SENIOR RESEARCH. Fall, Winter, Spring.

FR 704 SENIOR SEMINAR: SYMBOLISM. Spring. New Description. A study of symbolism as a major cultural movement. Readings will include the poetry of the French symbolists

(Baudelaire, Rimbaud and Mallarmé) as well as prose and drama. Discussions will touch on other currents of the movement in art, music, and philosophy and will attempt to place it in an historical context. Ms. Rifelj.

GEOGRAPHY

Professor: J. Rowland Illick. Assistant Professors: Perry Hanson (chairman), Robert Churchill.

Major Program: Under Required geography courses for the major in geography: change 4) to read: GG 202.

Introductory Course
GG 100 THE GEOGRAPHIC PERSPECTIVE. Fall, Spring.

Core Courses
GG 201 TECHNIQUES OF ENVIRONMENTAL ANALYSIS. Fall.

GG 202 CARTOGRAPHY AND GRAPHICS. Spring.

GG 250 PHYSICAL EARTH PROCESSES. Fall.

GL 252 GEOMORPHIC PROCESS. Spring. Mr. Churchill. See description under Geology department listing.

GG 260 HUMAN GEOGRAPHY. Spring.

GG 300 RESEARCH METHODS IN GEOGRAPHY. Fall. Ms. Hanson.

(GG 301 ADVANCED QUANITITATIVE METHODS IN GEOGRAPHY)

GG 400-level Seminars
(GG 451 SEMINAR IN ECONOMIC GEOGRAPHY)

GG 452 SEMINAR IN PHYSICAL GEOGRAPHY. Fall. Mr. Churchill.

(GG 453 SEMINAR IN QUANTITATIVE METHODS IN GEOGRAPHY)

GG 454 SEMINAR IN URBAN GEOGRAPHY. Fall. Ms. Hanson.

Non-Core Courses
GG 330 SOUTH AND EAST ASIA. Fall.

GG 331 MIDDLE EAST AND NORTH AFRICA. Spring. New Description. An examination of the Middle East-North Africa region stressing environmental capacities, population capacities and development potentials. Mr. Illick.

GG 351 THE URBAN WORLD: PATTERNS, PROBLEMS AND POLICIES. Spring. Ms. Hanson.

GG 352 THE GEOGRAPHY OF DEVELOPMENT. Fall. Mr. Illick.

(GG 353 NATURAL HAZARDS)

GG 354 WEATHER AND CLIMATE. Spring.

GG 500 RESEARCH IN GEOGRAPHY. Fall, Spring.

GG 700 SENIOR RESEARCH. Fall, Winter, Spring.

GEOLOGY

Professor: Brewster Baldwin (chairman). Assistant Professors: Raymond Coish, Thomas Davies (on leave), William Glassley, Peter Goreau.

Major Program: Replace paragraph 2 with the following: The department offers four courses at the introductory level: Dynamic Earth (GL 102), Environmental Geology(GL 112), Elements of Oceanography (GL 161) and Global Tectonics (GL 171). These introduce students to active research areas in geological science and are vehicles of acquiring the basic

understanding of processes which have shaped the earth. Students can enter the program in geological science through any one of these courses, and may then concentrate in these or other areas depending on where their interests develop. GL 102 and GL 171 have been designated Foundations courses. Students may not take both GL 102 and GL 171.

Replace the first sentence of paragraph 3 with the following: Students are expected to have completed at least one of the four introductory level courses before proceeding to more advanced work.

*GL 102 DYNAMIC EARTH. Spring. Mr. Coish.

GL 112 ENVIRONMENTAL GEOLOGY. Spring.

GL 161 ELEMENTS OF OCEANOGRAPHY. Fall.

*GL 171 GLOBAL TECTONICS. Fall. (Formerly GL 172.) Mr. Glassley.

*GL 172 GLOBAL TECTONICS. Deleted. (Changed to GL 171.)

GL 192 PLANETARY GEOLOGY. Deleted. (Changed to GL 292.)

GL 201 BEDROCK GEOLOGY OF VERMONT. Fall. New Prerequisites. (GL 102 or GL 112, or GL 121, or GL 171, or permission.) Mr. Baldwin, Mr. Coish.

GL 252 GEOMORPHIC PROCESSES. Spring. New Prerequisites. (GL 112 or GL 161 or GL 171, or permission.) Mr. Churchill.

GL 342 MARINE GEOLOGY. Spring. 3 hrs. lect., 3 hrs. lab. New Prerequisites. (GL 102 or GL 161 or GL 171 or permission.) Mr. Goreau.

GL 292 PLANETARY GEOLOGY. (Formerly GL 192.) Spring. New Prerequisites. (Permission.) Mr. Goreau.

GL 381 STRUCTURAL GEOLOGY. Fall. New Prerequisites. (GL 102 or GL 171 or permission.) Mr. Glassley.

GL 392 IGNEOUS PETROLOGY. Spring.

GL 461 STRATIGRAPHY AND PALEONTOLOGY. Fall. 3 hrs. lect., 3 hrs. lab.

GL 481 GEOPHYSICS. Deleted. (Changed to GL 482.)

(GL 482 PHYSICS OF THE EARTH)(Formerly GL 481.)

GL 491 METAMORPHIC PROCESSES. Spring. Mr. Glassley.

GL 492 ADVANCED PETROLOGY. Fall.

GL 500 READINGS AND RESEARCH. (Formerly GL 550.)

GL 550 READINGS AND RESEARCH. Deleted. (Changed to GL 500.)

GL 700 SENIOR RESEARCH. (Formerly GL 750.)

GL 750 SENIOR RESEARCH. Deleted. (Changed to GL 700.)

GERMAN

Professors: Thomas Huber (chairman), M. Kimberly Sparks (at Middlebury in Mainz), Van Horn Vail. Lecturer: Constance Kenna. Assistant: Astrid VonHausen.

Major Program: Replace the fourth sentence in paragraph 1 with: Credit for Advanced Placement is only given for the top two scores, a high score on the departmental placement test and a placement conference with the student.

GN 101 ELEMENTARY GERMAN. Fall.

GN 102 ELEMENTARY GERMAN. Spring.

GN 201 INTERMEDIATE GERMAN. Fall.

GN 202 ADVANCED GERMAN. Spring.

(GN 301 ADVANCED WRITING AND INTRODUCTION TO LITERARY CRITICISM)

(GN 302 READINGS IN LITERATURE, HISTORY AND POLITICAL SCIENCE)

GN 303 STYLISTICS. Deleted.

GN 305 THE GERMAN NOVELLE I. Spring. New Description. This course will investigate and analyze narrative German prose as it develops through the late 18th and 19th and early 20th centuries. It will also function as a survey course examining several literary periods in the light of works that it produced. In addition, to Novellen, Romananfänge (the beginning chapters of novels) will be studied, allowing the student meaningful access to highly significant works which the undergraduate would rarely ever read in German in their entirety (e.g. Goethe's Wilhelm Meister, Thomas Mann's Der Zauberberg, Kafka's Der Prozess). (Readings have no overlap with GN 306.) Mr. Vail.

(GN 306 THE GERMAN NOVELLE II)

(GN 307 THE GERMAN NOVELLE III)

(GN 310 GERMAN IN ITS CULTURAL CONTEXTS)

GN 315 GERMAN DRAMA. Fall. New Description. An investigation of drama from Naturalism (G. Hauptmann) through Expressionism (C. Sternheim) to more eclectic forms and topics in Brecht and his successors to the "documentary theater" of the 70's. Plays to be read and discussed will include Hauptmann's Der Biberpelz, Sternheim's Die Hose, Brecht's Mahagonny, Zuckmayer's Teufels General and Kipphardt's Oppenheimer. Scenes from other plays of the period will also be discussed, among them Brecht's Galilei, Goring's Seeschlacht, Kaiser's Gas. Mr. Huber.

(GN 320 THE WORKS OF BERTOLT BRECHT)

GN 401 EMERGENCE OF GERMAN AS A LITERARY LANGUAGE. Spring. New Description. From late Baroque up to and including Sturm und Drang. In addition to dealing with selected literary works (including Simplizissimus, Minna von Barnhelm and Die Soldaten) as objects interesting in themselves, the course will study these works as a background for the age of Goethe and Schiller. Contrasting material from other writers of the era (e.g. Gottsched) will build a mosaic of aspects of Enlightenment. (Open to all students who have had GN 202 or its equivalent.) Mr. Huber.

(GN 402 ESTABLISHMENT OF GERMAN AS A LITERARY LANGUAGE)

GN 406 ROMANTICISM. Fall. New Description. The course will provide the student with techniques for examining a period in depth. The emphasis will be on narrative forms. The course will give the student a basis from which to understand themes and forms as they are carried forward into the 20th century. (Open to all students who have had GN 202 or its equivalent.) Mr. Vail.

GN 410 GERMAN LYRIC POETRY (SENIOR SEMINAR). Deleted.

GN 415 THE GERMAN NOVEL. Deleted.

(GN 420 MODERN GERMAN LITERATURE)

GN 421 TWENTIETH CENTURY LITERATURE. Deleted.

(GN 422 INSIDERS AND OUTSIDERS--LITERATURE AND CULTURE OF THE WEIMAR YEARS)

GN 500 INDEPENDENT STUDY

GN 700 HONORS WORK

Please note: one literature course will be offered each semester by the newly appointed member of the department.)

Professors: William Catton (Historian-in-Residence), Nicholas Clifford, Travis Jacobs (chairman), Marjorie Lamberti (on leave), Pardon Tillinghast. Associate Professor: John Spencer. Assistant Professors: Thomas Cox (on leave), David Macey, John McCardell (on leave fall and winter). Visiting Assistant Professors: Robert Hathaway, Randall McGowen.

Major Program: Change section under Required for all history majors to read: At least ten courses (winter term senior independent work may be counted), including a research seminar, a readings course and a two-semester senior thesis. Students interested in combining a history major with the Teacher Education Program should ensure through consultation with both the program and the department that they will have no conflicts in their schedules.

Material on HI 100-399, LECTURE COURSES; HI 401-419, RESEARCH SEMINARS: HI 420-440, READINGS COURSES: HI 500, SPECIAL RESEARCH PROJECTS; HI 700, SENIOR INDEPENDENT STUDY; and HI 705, TEACHING ASSISTANTSHIP, remains the same.

Foundations Courses

*HI 103 TURNING POINTS IN EARLY MODERN HISTORY. Fall.

*HI 104 MODERN REVOLUTIONS. New Description. This course will study the four major social revolutions that have shaped the world we live in--the French Revolution at the end of the 18th century, the Russian and Chinese Revolutions in the first half of this century, and the anti-colonial revolution of the post-World War II era as exemplified by East Africa--and the principal theorist of revolution, Karl Marx. At the same time, while exploring the diversity of these historical experiences and the cultures within which they occurred, the course will adopt a consistently comparative approach designed to unite them within a single conceptual framework. Mr. Macey and Staff.

European History

HI 215 ENGLAND: 1640 TO PRESENT. Fall. New Course. This course will explore the sources and character of modern England. Along the way we will examine the rise of liberalism and the scientific revolution, the creation of the novel and the industrial revolution. The approach is primarily through social and cultural history. Mr. McGowen.

HI 313 RUSSIAN HISTORY TO THE GREAT REFORMS. Fall.

HI 314 RUSSIAN HISTORY FROM THE GREAT REFORMS TO THE PRESENT. Spring.

(HI 315 HISTORY OF MODERN EUROPE, 1815-1900) Offered in 1982-83.

(HI 316 HISTORY OF MODERN EUROPE, 1900-1968) Offered in 1982-83.

(HI 317 HISTORY OF FRANCE, 1750-1940) Offered in 1982-83.

(HI 318 ENGLISH HISTORY AS A BACKGROUND FOR ENGLISH LITERATURE)

HI 320 THE USES OF BIOGRAPHY. Spring.

HI 325 THE CIVILIZATION OF THE DARK AGES. Fall. New Description. Western Europe from the 5th to the 11th centuries. This was a barbaric world, shot through with memories of former grandeur, but with little to hope for from the future. In view of this outlook, its achievements were astonishing. Mr. Tillinghast.

HI 326 THE MEDIEVAL OUTLOOK, 1050-1300. Spring. New Description. During the 11th century, something happened to the peoples in Western Europe: an outburst of energy in every field transformed them within 200 years from semi-barbarians into members of an alert and driving group of cultures. Then the advances began to slow down. The course will try to find out why. Mr. Tillinghast.

(HI 327 EUROPE IN THE RENAISSANCE) Offered in 1982-8

(HI 328 THE REFORMATION) Offered in 1982-83.

(HI 411 WRITING AND RESEARCH, WAR OF ILLUSIONS: HOW THE FIRST WORLD WAR BEGAN)

(HI 414 EUROPEAN REVOLUTIONS AND REVOLUTIONARIES, 1787-1921)

HI 416 WRITING AND RESEARCH IN EUROPEAN HISTORY. Spring. New Course. Students enrolled in this course, which emphasizes the acquisition of research, organization and writing skills, will be able to select topics from within the full range of social, economic, political and intellectual problems in modern European history. Each student will be required to produce a research paper based, as far as possible, on primary sources (in translation, where necessary.) Mr. Macey, Mr. McGowen.

(HI 421 GERMANY, 1918-1933: THE WEIMAR REPUBLIC AND THE RISE OF THE NAZI MOVEMENT)

(HI 423 THE STUART PERIOD) Offered in 1982-83.

HI 425 HENRY VIII AND THE HISTORIANS. Spring. New Description. Concentration on the 1530's, over which there is at present a great deal of debate among historians. Do the changes in that decade constitute a "revolution" and does that overworked word mean anything in such a context? Mr. Tillinghast.

HI 427 THEMES IN MODERN EUROPEAN HISTORY. Fall. New Description. This course will introduce students to some of the major themes in European history from the 18th century to the present. Specific topics will be selected from among the following: the French Revolution, the Industrial Revolution, the triumph of the middle classes, the rise of political ideologies, the emergence of mass society, communism, fascism, religion, education, health, criminality and the family, women and sex. For those students who are planning to major in European history, this course will also provide the background necessary for the future selection of research topics. Mr. Macey.

HI 500 SPECIAL RESEARCH PROJECTS. Fall, Spring. Mr. Tillinghast. Mr. McGowen.

American History

HI 203 UNITED STATES HISTORY, 1492-1861. Fall.

HI 204 UNITED STATES HISTORY, 1861-1977. Spring. Mr. McCardell and Staff.

HI 303 THE ERA OF THE AMERICAN REVOLUTION, 1763-1800. Fall. New Description. A study of the origins, progress and significance of the American Revolution, emphasizing the disruption of the balance of empire, the ideology of revolution, the framing of new governments, and the first decade of nationhood under the Constitution. Mr. Hathaway.

HI 305 TWENTIETH CENTURY AMERICA, 1900-1940. Fall.

HI 306 TWENTIETH CENTURY AMERICA, 1938-1978. Spring.

(HI 307 BLACK HISTORY) Offered in 1982-83.

(HI 308 AMERICAN INTELLECTUAL HISTORY)

(HI 311 AMERICAN DIPLOMATIC HISTORY)

HI 380 CIVIL WAR AND RECONSTRUCTION. Spring. New Description. A close study of the impact of the sectional conflict on American political, social, economic and intellectual life. The course will emphasize and attempt to explain both the transforming nature of the war and the limit of reconstruction. Mr. McCardell.

HI 402 WRITING AND RESEARCH IN AMERICAN HISTORY. Spring.

HI 420 GREAT AMERICAN HISTORIANS. Fall. Mr. Catton, Mr. Jacobs.

HI 435 READINGS IN AMERICAN HISTORY. Spring. New Description. The course this spring will concentrate on issues of war and peace in American history. Organized pacifism and peace movements, arms limitation and disarmament, international organization and other methods of conflict management will be examined, as well as the use of force as a diplomatic weapon. Emphasis will be on the 20th century. Required of but not limited to students taking CN 069A. Mr. Hathaway.

Non-Western

HI 205 THE FOUNDATIONS OF MODERN AFRICA. Fall. New Course. This course and its sequel, HI 206, are based on the premise that Africa is an area of increasing importance to the United States about which educated Americans must be informed. HI 205 starts with an examination of African societies in the pre-colonial period and ends with the European

intrusion into tropical Africa in the late 19th century. The emphasis is on the elements of modern Africa that stem from the pre-colonial and colonial past. Mr. Spencer.

HI 206 MODERN AFRICA. Spring. New Course. Beginning with the establishment of colonial rule at the turn of the century, the course analyzes the resulting growth of nationalism with particular emphasis on Africa since 1960, especially on the explosive situation in Southern Africa. Mr. Spencer.

HI 207 TRADITIONAL CHINA. Fall. Staff.

HI 209 TRADITIONAL JAPAN. Spring. New Course. The society and politics of Japan from the earliest times to the eve of the Western onslaught. Readings in a variety of primary and secondary materials, literary as well as more purely historical. Staff.

HI 210 MODERN MIDDLE EAST HISTORY. Spring.

(HI 211 AFRICAN HISTORY)

HI 331 MODERN EAST ASIA, 1750-1912. Fall.

HI 332 MODERN EAST ASIA, 1912-1976. Spring.

HI 335 CHINESE INTELLECTUAL HISTORY. Spring. Staff.

HI 413 WRITING AND RESEARCH, IMPERIALISM. Spring. New Description. Seminar on the impact of Western expansion on the rest of the world. Geographical areas and topics emphasized will vary, with Africa and East Asia as the most probable foci. Mr. Spencer.

HI 424 COMMUNISM IN CHINA. Fall. Staff.

HI 429 COLONIALISM IN AFRICA. Fall. New Course. A study of colonialism in Africa based on novels and associated background readings. Authors include Chinua Achebe, Joyce Cary, Joseph Conrad, Graham Greene, Alan Paton, Ngugi wa Thiongo and Evelyn Waugh. Mr. Spencer.

(HI 430 CHINESE LIVES)

HI 500 SPECIAL RESEARCH PROJECTS. Fall, Spring.

ITALIAN

See SPANISH/ITALIAN

PROGRAM IN LITERARY STUDIES

Director: Stephen Donadio.

Major Program: In paragraph 4, change the three columns of authors to read:

Homer	Lorca	Gogol
Aeschylus	Neruda	Dostoevsky
Sophocles	Moliere	Tolstoy
Vergil	Baudelaire	Shakespeare
Ovid	Proust	Milton
Lucretius	Goethe	Wordsworth
Dante	Kafka	Joyce
Boccaccio	Mann	Emerson
Pirandello	Tù Fǔ	Melville
Cervantes	Cáo Xuegin	Faulkner
	Lǔ Xùn	

Replace paragraph 5 with the following: In addition to works by authors whose names appear on this primary list, in the course of the comprehensive examination each literary studies major will be expected to demonstrate his acquaintance with the Old and New Testaments (especially Genesis, Psalms, Job, Song of Songs, Matthew, John, Revelations and the Epistle to the Romans), as well as principal works of Plato, Aristotle, Rousseau, Marx and Freud. A full list of the specific works by these authors included on the current Primary and Secondary lists is available from Mr. Donadio, Director of the Program, in Adirondack 203.

Major Requirement: Under 1), change the course lists to read:

Historical
(*CL 121 THE CLASSICAL TRADITION)

*CL 150 ANCIENT EPIC. Fall.

*RE 110 INTRODUCTION TO WESTERN RELIGIOUS LIFE AND THOUGHT. Spring.

*PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall.

Theoretical
*EL 112 MYTHOLOGIES TIMELESS AND TIMELY, TRADITIONAL AND CONTEMPORARY. Spring.

*FL 201 INTRODUCTION TO LINGUISTICS. Fall.

*FL 251 LITERATURE AND REVOLUTION. Fall.

MATHEMATICS

Professors: Ronald Bielli, Michael Olinick, Bruce Peterson. Associate Professors: John Emerson, James Krupp, Robert Martin (chairman). Assistant Professor: Thomas Yuster. Visiting Assistant Professor: Karl David.

Major Program: Under Required for the Major, change paragraph 3 to read: A student who wishes to be considered for departmental honors in mathematics must submit for approval a proposed plan of study by the beginning of his or her junior year. The study plan must include a set of at least four elective courses in mathematics (some of which may have been completed in the sophomore year). One or more of these electives must be of an advanced nature. Normally such a fourth elective will be chosen from the departmental offerings in abstract algebra, topology, geometry, measure theory, complex variables, number theory or set theory and logic. (A proposed study plan for honors with an emphasis on applied mathematics must include courses or independent study at a level beyond that of the department's standard courses in probability, statistics, modelling, operations research and computer science.)

*MA 105 FINITE MATHEMATICS: PROBABILITY, STATISTICS AND MATRICES. Fall. Mr. Olinick, Mr. Yuster.

*MA 107 FOUNDATIONS OF MATHEMATICS. Spring.

MA 111 FROM CONTINUOUS FUNCTIONS TO THE CALCULUS. Winter, Spring. Mr. Yuster.

MA 112 MATHEMATICAL ANALYSIS I. Fall, Spring.

MA 113 MATHEMATICAL ANALYSIS II. Fall, Spring.

MA 115 CALCULUS FOR THE SOCIAL SCIENCES. Fall, Spring. New Course. A continuation of MA 112 intended for students majoring in the social sciences. Topics include: the exponential function, techniques of integration, functions of several variables, linear equations and matrices and ordinary differential equations. Social science students contemplating graduate study and all science students should take the MA 113, MA 200, MA 201 sequence. (MA 112 or permission.) Mr. Martin.

*MA 123 COMPUTER PROGRAMMING I. Fall. This course is no longer offered during Winter Term.

MA 200 LINEAR ALGEBRA. Fall, Spring. Mr. Yuster, Mr. David.

MA 201 MATHEMATICAL ANALYSIS-III. Fall, Spring. Mr. Bielli.

MA 202 MATHEMATICAL ANALYSIS-IV. Spring. Mr. Yuster.

(MA 220 GRAPH THEORY AND COMBINATORICS)

MA 222 CONVEX FIGURES. Fall. New Description. A course in Euclidean geometry investigating properties more general then similarity and congruence. Topics will include separation and support, extreme and exposed points, Helly's Theorem and its relatives, addition of figures, maxima and minima, the isoperimetric problem, curves of constant

width, the Kakeya problem, starlike sets, convex polyhedra and applications. (MA 113 or permission.) Mr. Peterson.

MA 223 COMPUTER PROGRAMMING II. Spring.

*MA 227 SET THEORY. Fall. New Description. This course will begin with a review of the basic facts of union, intersection and complementation of sets. We will also study functions, equivalence relations and orderings in the context of set theory. The main effort will be the study of ordinal numbers, cardinal numbers, the axiom of choice and transfinite induction. (MA 113 or permission.) Mr. David.

(MA 250 FOUNDATIONS OF GEOMETRY)

MA 302 ABSTRACT ALBEBRA-I. Spring. Mr. Peterson.

MA 310 PROBABILITY. Fall. New Description. An introduction to the concepts of probability and their applications, covering both discrete and continuous random variables. Probability spaces, elementary combinatorial analysis, densities and distributions, conditional probabilities, independence, expectation, variance, Weak Law of Large Numbers and Central Limit Theorem. Numerous applications. (MA 201 is a corequisite, but students lacking this course should consult the instructor.) Mr. Emerson.

MA 311 STATISTICS. Spring. New Description. An introduction to the mathematical methods of statistical inference. Topics will include: loss function, risk function, parametric and nonparametric problems, estimation, Baysian statistics, efficiency and the Neyman-Pearson Lemma. Classical tests within the normal theory such as F-test, t-test, and chi-square test will also be considered. Students preparing to take statistics should note that a linear algebra background (MA 200) is helpful in using linear statistical models. There will be some emphasis on applications to problems of other disciplines. (MA 310.) Mr. Emerson.

(MA 315 MATHEMATICAL MODELS IN THE SOCIAL AND MANAGEMENT SCIENCES)

(MA 318 SELECTED TOPICS IN OPERATIONS RESEARCH)

(MA 321 ELEMENTARY NUMBER THEORY)

(MA 323 COMPUTER SYSTEMS AND ASSEMBLY LANGUAGE PROGRAMMING)

MA 325 DATA STRUCTURES AND FILE PROCESSING. Fall. New Description. A study of complex data structures with particular emphasis on their application to file structures and processing methods. Basic properties of linked lists and tree structures are developed at the beginning of the course. These structures are then examined for their applicability to various file organization and access methods, e.g. indexed, inverted list, multilist, networks and hierarchial. The relationship between these concepts and the overall operation of data base management systems will also be discussed. (MA 323.) Mr. Krupp.

MA 401 ADVANCED CALCULUS. Fall. Mr. Martin.

MA 402 ADVANCED CALCULUS. Spring.

(MA 403 ABSTRACT ALGEBRA-II)

(MA 410 MEASURE AND PROBABILITY)

MA 411 ELEMENTARY TOPOLOGY. Spring. New Description. An introduction to the concepts of topology. Theory of sets, topology of the real line, continuous functions and homeomorphisms, compactness, connectedness, metric and function spaces, selected topics from the topology of Euclidean space. (MA 201 or permission.) Mr. Olinick.

(MA 421 MODERN GEOMETRY)

(MA 431 COMPLEX ANALYSIS)

MA 500 ADVANCED STUDY. Fall, Spring.

MA 704 SENIOR SEMINAR. Fall, Spring. Mr. Yuster.

MUSIC

Professors: Emory Fanning (chairman), George Todd. Assistant Professor: Dale Cockrell. Instructor: James Griesheimer. Christian A. Johnson Professor: H. C. Robbins Landon.

The information below reflects all Music department offerings for next fall term;complete spring term information, however, is unavailable at this time. Some courses shown as being offered next spring may later be bracketed; some courses appearing in brackets below may be offered next spring; and some new courses for spring term may be added. Students requiring further information on spring term courses before registering for fall term should be in touch with the Music department.

(*MU 101 INTRODUCTION TO MUSICAL STYLES)

*MU 105 PERSPECTIVES OF MUSIC. Spring. New Course. This proposed new Foundations course has not yet been approved by Curriculum Committee, and no description is yet available.) Mr. Cockrell, Mr. Todd.

(*MU 109 RUDIMENTS OF THE MUSICAL LANGUAGE)

MU 201 ELECTRONIC AND COMPUTER MUSIC. Fall, Spring. New Description. MU 201 is a course in electronic/computer composition for students with or without musical background. Using both a digital Synclavier and an analog Moog synthesizer, the students are guided in the creation of original works using music from the contemporary repertoire as models. Experience with electronic equipment and/or in computer programming is recommended. Mr. Todd.

MU 205 PERFORMANCE LAB. Fall, Spring.

MU 209 THEORY. Fall. Mr. Todd.

MU 210 THEORY. Spring.

MU 215 THE HISTORY OF JAZZ. Deleted.

MU 220 SURVEY OF MUSIC HISTORY. Fall.

MU 221 SURVEY OF MUSIC HISTORY. Spring.

MU 230 AMERICAN POPULAR SONG. Fall. New Description. This course traces the development of an autonomous and definable body of American popular song from the colonial period to c. 1970. A primary goal of the course is an appreciation of the "American experience" as it is manifested in popular song. Also of special concern is the definition, nature and implications of "popular." A largely chronological approach deals with music as diverse as that of: 18th/19th century pleasure gardens, Thomas Moore's Irish Melodies, minstrelsy, the singing families, Civil War songs, Tin Pan Alley, and Rock 'n Roll. A special intensive section of the course will be devoted to the music of Stephen Foster. Mr. Cockrell.

(MU 270 OPERA)

MU 290 FUNDAMENTALS OF CONDUCTING. Fall. New Description. The basic conducting patterns in simple and compound rhythms and their relation to musical line and shape. Score preparation, rehearsal techniques and practical conducting experience. (Permission.) Mr. Fanning.

MU 306 PERFORMANCE CLASS. Fall.

MU 307 PERFORMANCE CLASS. Spring.

MU 309 ANALYSIS. Fall. Staff.

MU 310 ANALYSIS. Spring. Staff.

(MU 312 COMPOSITION)

MU 321 MEDIEVAL AND RENAISSANCE MUSIC. Spring. New Course. This proposed course has not yet been approved by Curriculum Committee, and no description is yet available. Mr. Cockrell.

(MU 322 MUSIC IN THE BAROQUE ERA)

(MU 323 MUSIC IN THE CLASSICAL PERIOD)

(MU 324 MUSIC IN THE ROMANTIC ERA)

(MU 325 MUSIC IN THE TWENTIETH CENTURY)

(MU 326 MUSIC IN AMERICA)

(MU 330 SYMPHONIC LITERATURE)

(MU 341 J.S. BACH)

MU 390 JUNIOR SEMINAR IN MUSIC HISTORY. Fall. Mr. Robbins Landon, Mr. Griesheimer.

MU 500 INDEPENDENT STUDY

MU 704 SENIOR WORK

Performance Studies
In paragraph 4, add french horn and recorder to the list of instruments.

In paragraph 5, replace the final two sentences with: Performance studies consist of one lesson weekly; fee $120 per semester. The fee for private instruction during Winter Term (four lessons) is $48.

The list of instructors remains the same with the following exceptions:

Private instruction in violin and viola	Mr. Gusakov
Private instruction in flute	Ms. Sollberger
Private instruction in guitar	Mr. Gonzalez
Private instruction in french horn and recorder	Mr. Kaynor

Under Music Library, add Ms. Nina Sandberg, Librarian

Change copy under Electronic Music Studio to read: A well equipped studio which includes a Synclavier II controlled by a 16-bit Able-40 computer, Moog and Arp synthesizers, EMT reverb, 16 to 4 Yamaha mixer, four-and two-channel Ampex tape decks, Eventide Harmonizer and equipment for field recording. Mr. Todd.

PROGRAM IN NORTHERN STUDIES

A proposal that would combine Geography, Environmental Studies and Northern Studies into a single program is now being studied. In the event that this proposal, or some modification of it, is adopted by the faculty, students in Environmental Studies should consult with their advisers in September to determine the effect the proposal's adoption will have on their programs.

Program Description: Replace all existing copy with: The Northern Studies Program is an interdisciplinary program focusing on all aspects of the Circumpolar North. The Program was initiated in 1977 and has been supported since 1979 by a CAUSE grant (Comprehensive Assistance to Undergraduate Science Education) from the National Science Foundation. The goal of this Program is to provide students with a strong interdisciplinary course of study by applying the traditional natural and social scientific disciplines to an understanding of northern environments and man/nature relations in the North. The Northern Studies Program is a cooperative venture between Middlebury College and the Center for Northern Studies, a non-profit research and educational facility located in Wolcott, Vermont, about 70 miles northeast of theCollege. Students participating in the Program normally spend one or more semesters in residence at the Center in the course of their undergraduate years. The Center is located in a natural environment that closely approximates those of the Canadian, Alaskan and Siberian northlands. Thus, the Northern Studies Program is able to emphasize the field aspects of northern studies in a manner that is not possible in other areas of the continental United States. The Center also conducts an active research program in Alaska and other northern areas. The Senior staff members of the Center for Northern Studies are adjunct faculty members of Middlebury College and are intensively involved in all aspects of the Northern Studies Program.

Requirements for the Northern Studies Major. Students majoring in Northern Studies will follow one of two tracks: i) the straight Northern Studies major or ii) the joint major. The straight Northern Studies major will normally consist of 4 or more courses taken on

the Middlebury campus, 9 courses taken at the Center, and 2 or 3 units of senior thesis work. The courses taken on the Middlebury campus will include: NE 151, NE 152, BI 190, and EC 155. The courses taken at the Center will include the fall and spring semesters-in-residence together with a winter term. Exceptions to this plan will require the approval of the co-directors of the Center for Northern Studies.

The joint major will consist of NE 151, NE 152, at least one semester-in-residence at the Center and 5 or 6 courses taken within the appropriate cooperating department. The cooperating department may be in any division of the College. Students pursuing a joint major will work out their programs on an individual basis in consultation with one of the co-directors of the Center and an appropriate adviser in the cooperating department.

Students majoring in Northern Studies will typically do their residential work at the Center during the junior year, though exceptions may be made on an individual basis. Straight Northern Studies majors are generally encouraged (though not required) to remain at the Center during one full academic year. During the period in residence at the Center, students plan their future courses on campus with Center and College faculty advisers. Planning for the senior thesis also begins at this time in most cases.

Northern Studies majors will take 2 or 3 units of senior thesis work. In the case of joint majors, senior thesis work is usually an outgrowth of the cognate interests and is supervised by representatives of the Northern Studies Program and the cooperating department. No more than 3 units of senior thesis work may be applied toward a Middlebury degree. A 2-unit thesis may be either field or library based and is not formally defended. A 3-unit thesis requires original, predominantly field oriented work; it will be read by and defended in front of three faculty members after a seminar discussing the work has been presented by the student. In all cases, Northern Studies majors are encouraged to collect data for their senior theses during the summer preceding the senior year.

Students majoring in other disciplines may also take a concentration in Northern Studies. A student majoring in a natural science discipline would ordinarily satisfy the concentration requirement by enrolling in the spring semester-in-residence at the Center. A student majoring in a social science discipline would normally satisfy the concentration requirement by enrolling in the fall semester-in-residence at the Center. A student major in the humanities can satisfy the concentration requirement by enrolling in either semester-in-residence at the Center. Additionally, the Center will accept applications for its residential programs from other students simply wishing to pursue a general interest in the Circumpolar North.

A limit of 9 regular term courses and 1 Winter Term course can be accepted from the Center for Northern Studies toward the Middlebury degree. This limitation includes research and thesis work undertaken at the Center.

A non-credit Northern Studies Seminar is held in Middlebury during the academic year to provide continuing contact for students who have been at the Center as well as information about the Northern Studies Program for others.

While there is no language requirement for the Northern Studies major, it is suggested that students having serious career plans in the North give careful consideration to developing at least a reading knowledge of Russian.

Further information on the Northern Studies Program can be obtained from Dr. Saul, Dr. S. Young, Dr. O. Young, or Mr. W. Scott.

Courses Offered at Middlebury

NE 151 INTRODUCTION TO POLAR ENVIRONMENTS. Spring. Mr. S. Young.

NE 152PUBLIC POLICY IN THE CIRCUMPOLAR NORTH. Fall. New Course. An introduction to social issues and problems of public policy characteristic of the Circumpolar North. Emphasis on the management of renewable and nonrenewable resources, land use and sea use, the problems of northern Native peoples, community development in the Circumpolar North, international relations of the far North and parallels with Antarctica. (This course is open to all students, including freshmen.) Mr. O. Young.

Replace all remaining copy with the following:

Fall Semester-in-Residence at the Center for Northern Studies. Prerequisites for this semester are NE 151 and BI 190.

NE 310 THE QUATERNARY PERIOD. Fall. The present environment of the Polar Regions is largely a function of the unique geological history of these areas, which have repeatedly been affected by events such as episodes of continental glaciation. Many of these events have also had profound implications for other parts of the world; in fact true polar environments characterized much of what is presently considered to be the temperate zone as recently as 15,000 years ago. This course discusses the events which have characterized the Quaternary Period,with particular emphasis on the relationship between events and physical processes and the biological environment of Polar and other regions. Lab: practical experience in a variety of techniques which are commonly employed to gain

insight into the nature and history of past environments, such as palynology and various dating methods. Also field consideration of geomorphic features associated with Quaternary events. Mr. S. Young.

NE 320 TERRESTRIAL BIOTA AND ECOSYSTEMS OF THE POLAR REGIONS. Fall. This course provides a detailed introduction to the various "players," including animals and plants, which are involved in the web of interactions in the boreal forest and tundra ecosystems. the first portion of the course is strongly oriented toward identification of and familiarization with the various organisms. The latter portion is more deeply concerned with the roles these organisms play in the various communities, and the various physical factors that influence the distribution and significance of these organisms. Lab: Initial sessions involve familiarization with the organisms in the field and in museum collections. Later sessions treat the description and ordination of polar "communities." Mr. S. Young.

NE 330 INDIGENOUS CULTURES OF THE CIRCUMPOLAR NORTH. Fall. For at least the past 15,000 to 30,000 years, the native peoples of the Circumpolar North have been a significant factor in the natural environment of the region. This course offers an introduction to the various indigenous cultures of the northern regions at a time immediately before extensive contact was established with modern western culture. Some consideration will also be given to long established rural western communities in northern areas. Major emphasis is placed on the historical context of the emergence and establishment of these cultures, as well as on the ways in which the cultures have interrelated with the natural environment. Staff.

NE 340 MARINE AND AQUATIC ECOSYSTEMS OF THE POLAR REGIONS. Fall. The marine and aquatic ecosystems of the Polar Regions are of immense interest, both intrinsically as paradigms for the understanding of the interrelationships which are basic to an ecological perspective, and also in terms of their present and future economic potential. The deepest penetration of polar waters and their attendant biotic communities into the temperate regions of the world is off the New England coast. Furthermore, the aquatic ecosystems of Northern New England display many of the features which are typically associated with high latitudes. This course is similar to the preceding one in that the early portions are devoted to identification and familiarization with the relevant organisms. The latter portion considers theoretical and practical ecological concerns relevant to the understanding, preservation and utilization of the marine and aquatic resources of the Polar Regions. Lab: consists of field identification work in Newfoundland and a several day long field trip to the coast of Maine. In addition, field and lab work will be carried out on the local aquatic ecosystems, including lakes, bogs and streams, in the Wolcott area. Staff.

Winter Term-in-Residence at the Center for Northern Studies. Prerequisites for this term are NE 151 and BI 190.

NE 350 WINTER ECOLOGY. Winter. Among the most important challenges to polar organisms are intense seasonal change of conditions, intense cold, limited energy resources in the environment, and the establishment of long term snow and ice cover. These factors have provided selection pressure for a remarkable series of adaptations by polar organisms. This course examines the physiological, anatomical and behavioral adaptations of polar plants and animals to winter and seasonal conditions in both terrestrial and aquatic ecosystems. Lab: The course is taught largely in an intensive lab and field work format. Topics include the observation of animal behavior, including radio tracking, the nature of cell adaptation in plants (and some animals) to below freezing temperatures, the behavior of aquatic ecosystems under thick ice cover and low light penetration, and the means by which organisms have adapted to the presence of a deep snow cover. Mr. Marchand.

Spring Semester-in-Residence at the Center for Northern Studies. Prerequisites for this semester are NE 152 and BI 190. This semester-long program is the equivalent of four normal Middlebury courses.

NE 360 THE POLITICAL ECONOMY OF RESOURCE MANAGEMENT. Spring. A study of societal decision-making concerning the use of natural resources and the maintenance of environmental quality. The first half of the semester is devoted to an examination of three approaches to this subject: the microeconomic perspective , the ecological perspective, and the institutional perspective. This is followed by substantive applications dealing with marine fisheries, forest management, Outer Continental Shelf development, National Interest Lands, and air/water pollution. Mr. O. Young.

NE 370 POLICY ANALYSIS FOR NORTHERN STUDIES. Spring. A study of the role of the State with special reference to Northern Regions. Topics covered include: the proper function of the State,the selection and implementation of specific public policy, the impact of government activity on the broader society, and the evaluation of existing policies. Special attention will be given to alternative modes of policy analysis. All students will conduct research on contemporary policy issues pertaining to the Circumpolar North. Mr. O. Young.

NE 380 COMMUNITY DEVELOPMENT IN THE CIRCUMPOLAR NORTH. Spring. The rural communities and villages of the Circumpolar North suffer from a variety of social problems (for example, large scale emigration, extensive unemployment, financial insolvency, and high rates of alcoholism). While these problems are especially severe in predominantly native communities, they are pervasive throughout the Circumpolar North. How did these conditions arise, and what can be done to alleviate them? This course focuses on various explanations of the contemporary problems of these rural communities and on an analysis of alternative strategies for alleviating these problems. Staff.

NE 390 NORTHERN LEGAL ISSUES. Spring. Legal research and analysis differs greatly both from natural science and from social science. Using cases relating to the Circumpolar North, this course offers students an introduction to legal materials, processes, institutions, and modes of thought. In any given semester, case materials will be drawn from controversies pertaining to public land, Native claims, offshore oil and gas development, hard rock mining, water rights, forest management, wildlife, fisheries, and international resource agreements. Ms. Osherenko

NE 500 INDEPENDENT STUDY

NE 700 SENIOR THESIS PREPARATION

PHILOSOPHY

Professors: Stanley Bates (chairman), Victor Nuovo. Associate Professor: Lynne Baker. Assistant Professors: Michele LaRusch, William Rued.

Non-majors: Replace the second sentence with: PA 102 and PA 170 are the general introductions to the field and are open to students in all classes.

Major Program: Replace the third sentence with: All majors are strongly encouraged to take PA 180 and PA 223.

Honors Candidates: Replace the second sentence with: Students must have a B average in all work in the department and the approval of the department, to be permitted to undertake an honors program.

*PA 102 THE GOOD AND THE TRUE: INTRODUCTION TO PHILOSOPHY. Fall. Replace reference to J. L. Austin with C. S. Peirce.

*HM 150 FOUNDATION OF THE WESTERN INTELLECTUAL TRADITIONS: ANTIQUITY TO THE REFORMATION. Deleted.

*HM 160 THE ORIGINS OF MODERN THOUGHT: SCIENCE, RELIGION, SOCIETY. Deleted.

*PA 170 THE WAY TO REASON. New Title and Description. In this course, students will learn to recognize, evaluate, present and distinguish between methods of argumentation commonly used in reasoning about philosophical, legal, moral, religious and political issues. The types of arguments to be discussed will be those which have been used in attempts to settle traditional questions (e.g., the questions concerning the existence and nature of God) as well as those used in attempts to settle questions of recent concern (e.g., the questions surrounding the abortion issue). Although emphasis in this course will be upon the methods of effective reasoning and the use of argumentation in everyday life, the material covered is not the same as that covered in the formal logic courses. (PA 180 and PA 280.) Ms. LaRusch and Staff.

*PA 180 INTRODUCTION TO MODERN LOGIC. (Formerly PA 218.) Fall. In this course, students will learn the principles of correct deductive reasoning. Skills in recognizing and constructing correct deductions within a formal framework will be developed. As an aid in the development of such skills, students will learn to run a computer program which has been designed especially for this course. The program will reinforce points

made in lecture and provide students with immediate feedback on their own work. There are no prerequisites for this course. It will not be assumed that students have an indepth knowledge of philosophy, mathematics or computer science. Ms. LaRusch.

(PA 205 HUMAN NATURE AND ETHICS)

PA 207 CONTEMPORARY MORAL PROBLEMS. Fall. New Course. In this course, we will examine some moral issues which, although not new, have been of special concern in recent times. In particular we will discuss the problems of racism, sexism, preferential treatment, abortion, euthanasia, incest, privacy, punishment and world hunger. We will see how philosophers have attempted to clarify these problems as well as see how philosophers have constructed bases for judging our actual behavior with respect to these problems. There will be three lectures and one discussion each week. Ms. LaRusch.

(PA 210 PHILOSOPHY OF EDUCATION)

(PA 213 PHILOSOPHY OF RELIGION)

PA 218 INTRODUCTION TO MODERN LOGIC. Deleted. Replaced by *PA 180.

PA 222 AMERICAN PHILOSOPHY. Fall. New Description. This course will begin with an investigation of the "American Enlightenment" - that complex adaptation of European thought which lay behind the invention of America. We shall then discuss Transcendentalism, another current of American thought which needs to be understood against the European background of Idealism and Romanticism - with Emerson and Thoreau as principal figures. The last part of the course will concern the professionalization of philosophy and the development of what is usually thought to be the characteristic American philosophy, pragmatism. The central figures were C. S. Peirce, William James and John Dewey, and the contemporary inheritors of the pragmatic tradition, W. V. Quine and Nelson Goodman. Mr. Bates.

(PA 223 INTRODUCTION TO CONTEMPORARY PHILOSOPHY)

PA 231 PHILOSOPHY OF HISTORY. Deleted.

(PA 233 AESTHETICS)

PA 236 PHILOSOPHY OF MATHEMATICS. Deleted.

PA 238 METAPHYSICS. Fall. New Description. This course will focus on a basic metaphysical belief that most of us share: that there exist particular individuals (such as Alice and her croquet ball) which have properties (youthfulness and roundness, for example) and which persist through time. We will consider such questions as: Does a quality like roundness, which is shared by all round objects, exist in the same way as those particular objects exist? If not, in what sense can qualities be said to exist at all? In what do identity and difference for particular objects consist? How much, and what kinds of, change can a person or a croquet ball undergo and remain numerically the same individual? Mr. Rued.

(PA 247 ANCIENT GREEK PHILOSOPHY)

(PA 250 HISTORY OF EARLY MODERN PHILOSOPHY: DESCARTES TO KANT)

PA 255 KIERKEGAARD, MARX AND NIETZSCHE. Spring. New Course. This course will investigate the works of three of the central philosophical and cultural critics of the nineteenth century. All of these thinkers revolted against the apotheosis of Reason that had occurred in the Enlightenment, and that reached its culmination in the works of Hegel. We shall read: Kierkegaard's Repetition, Philosophical Fragments and Concluding Unscientific Postscript; Marx's early essays criticizing Hegel, The Economic and Philosophic Manuscripts of 1844, and other selections concentrating on Marx's philosophical views not his economic analysis; and Nietzsche's The Birth of Tragedy, The Use and Abuse of History, Thus Spake Zarathustra (selections), The Genealogy of Morals, and Ecce Homo. Mr. Bates.

(PA 270 ULTIMATE QUESTIONS)

PA 280 INTERMEDIATE LOGIC. (Formerly PA 360.) Spring. This course will be a continuation of PA 218, dealing with such topics as relational predicates, identity and definite descriptions. However, not all of our time will be spent constructing and working within a formal system. We will also explore the history of logic, foundational issues, problems of logical theory and the newest direction logic is taking. Ms. LaRusch.

PA 205, 207 and courses numbered inthe range PA 300-320 fall in the general area of ethics, social philosophy and theory of value.

(PA 309 PHILOSOPHY OF LAW)

Philosophy of Science and Theory of Knowledge
PA 351 THEORY OF KNOWLEDGE. Spring. New Description. An inquiry into the nature of, and possibilities for, knowledge. What is it to know something? How do we attain knowledge? Can we know anything for certain? Readings will be from historical and contemporary sources. Some will deal with the analysis of key concepts such as knowledge, truth, and justification. Others will present arguments for or against particular sorts of knowledge claims - for example, claims to knowledge about material objects, other minds, or regularities in nature. We will also consider skeptical arguments purporting to show that any sort of knowledge is impossible. Mr. Rued.

(PA 352 PHILOSOPHY OF MIND)

(PA 353 PHILOSOPHY OF SCIENCE)

(PA 354 PHILOSOPHY OF LANGUAGE)

PA 360 INTERMEDIATE LOGIC. Deleted. Replaced by PA 280.

PA 500 RESEARCH IN PHILOSOPHY. Fall, Spring.

PA 704 SENIOR SEMINAR: CONTEMPORARY PHILOSOPHY. Fall, Spring.
Fall: Nelson Goodman's Ways of Worldmaking, and Richard Rirty's Philosophy and the Mirror of Nature.
Spring: Topics in belief and action.

PHYSICAL EDUCATION AND ATHLETICS

Program Description: In the first paragraph, add the following between the third and fourth sentences: Included in this credit maximum are courses and/or exemption tests completed in the skills of the activity concerned.

Replace the final five paragraphs with the following:

Registration Dates	Season
September 7, 8, 9	Fall
October 13, 14, 15	Winter I
December 1, 2, 3	Winter Program Term
February 8, 9, 10	Winter II
March 16, 17, 18	Spring

Season Dates
September 14-October 24, 1981
October 26-December 5, 1981
January 4-January 29, 1982
February 15-March 27, 1982
April 5-May 8, 1982

Exemption Periods and Tests: No changes.

Fall Tests (September 7, 8, 9, and 10) - Sign-up dates are September 3, 4, 7, 8: Archery, Badminton, Bowling (Test Fee $.90), Dance, Golf, Platform Tennis, Squash, Swimming, Tennis and the Pool Test.

Winter Tests (February 7, 8, 9 and 10) - Sign-up dates are January 19, 20, 21 and February 8: Alpine Skiing, Badminton, Bowling (Test Fee $.90), Dance Ice Skating or Ice Figure Skating, Platform Tennis, Squash, Swimming, Ski Touring, Tennis and the Pool Test.

PHYSICS

Professor: Robert Gould. Associate Professor: P. Frank Winkler (chairman). Assistant Professors: Robert Prigo, Richard Wolfson.

Major Program: Replace paragraphs 3, 4 and 5 with: The minimum requirements for a major in Physics are the introductory sequence to physics (PA 109, PH 110, PH 201, PH 202,

and PH 212), plus four elective physics courses, MA 112, MA 113 and a senior program. Students considering graduate study in physics or related disciplines are strongly encouraged to elect additional courses in mathematics. Each major should design his or her specific program in consultation with a department faculty adviser. The senior program in physics consists of a three-unit thesis and general examination. Students doing practice teaching under the Teacher Education Program may, with permission, take only two units of senior thesis. The department offers a program for majors of Environmental Studies with emphasis in physics (see Environmental Studies).

Courses in the numbering sequence PH 111 through PH 199 are designed for students not majoring in the natural sciences and so do not count toward satisfying the physics major. The course PH 212 is a prerequisite for all 300- and 400-level courses in physics.

*PH 101 THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT. Spring. New Description. Replace the second sentence with: Aristotelian cosmology, Galilean and Newtonian mechanics, light and sound, relativity and the quantum principle will be considered for their impact on broader realms of human thought. Mr. Prigo.

PH 109 MECHANICS AND THERMODYNAMICS. Fall. Mr. Prigo and Staff.

PH 110 ELECTRICITY AND MAGNETISM. Spring. Mr. Wolfson and Staff.

PH 145 ELECTRONICS FOR THE INTIMIDATED. Spring. Mr. Gould.

*PH 155 AN INTRODUCTION TO THE UNIVERSE. Fall. New Description. Replace first sentence with: This introductory astronomy course is open to all students, especially those who do not intend to major in the physical sciences. The course will consist of 3 hrs. lect., and 1½ hrs. discussion/lab. Mr. Winkler.

PH 201 MODERN PHYSICS I. Fall. Mr. Gould.

PH 202 MODERN PHYSICS II. Spring. Mr. Prigo.

PH 212 METHODS OF THEORETICAL PHYSICS. Spring. New Description. Add to description: Both analytic and numerical (computer) techniques will be employed. Mr. Wolfson.

PH 221 ELECTRONICS FOR SCIENTISTS. Fall. Mr. Gould.

PH 230 INTERMEDIATE MECHANICS. Fall. New Description. An intermediate level course in the kinematics and dynamics of particles and rigid body motion. The topics will include: analysis and application of Newton's Laws of mechanics; the concepts of work, energy and power; energy conservation; momentum and momentum conservation; torque, angular momentum and angular momentum conservation. Lagrange's and Hamilton's formulations of classical mechanics will be introduced with emphasis placed on developing lasting problem-solving strategy and techniques. (PH 110, MA 113.) 3 hrs. lect./discussion. Offered in alternate years. Mr. Prigo.

(PH 250 STATISTICAL MECHANICS) Offered in alternate years / Will be offered in 1982-83.

PH 266 CONTEMPORARY ASTONOMY AND ASTROPHYSICS. Spring. New Description. An introduction to the astrophysics of stars, the Galaxy, and the Universe, intended for students with some background in science. Topics include the structure and evolution of stars, pulsars, black holes, X-ray sources, supernovae, galaxies, quasars, and the expanding universe. Interactions between theory and observations by a variety of methods (e.g. optical, radio, X-rays, cosmic rays) will be discussed, with special emphasis on current research and recent results. (PH 109 or permission. Not normally open to students who have completed PH 155.) 3 hrs. lect./lab, hrs. arranged. Mr. Winkler.

PH 302 ELECTROMAGNETIC WAVES. Fall. Mr. Wolfson.

PH 401 INTRODUCTION TO QUANTUM MECHANICS. Spring. Lecture and Tutorial--3 hrs. Mr. Winkler.

PH 500 RESEARCH AND SPECIAL TOPICS. Fall, Spring.

PH 705 INDEPENDENT STUDY AND GENERAL EXAMINATION. Fall, Winter, Spring.

POLITICAL SCIENCE

Professors: Murray Dry, Russell Leng, Paul Nelson (chairman), Olin Robison. Associate Professor: David Rosenberg. Assistant Professor: Eric Davis. Instructors: Michael Kraus, Anne Sa'adah.

Major Program: At the end of paragraph 2, add the sentence: The PS 200 research methods course requirement may also be satisfied by completing any of the following research methods courses or their equivalent: EC 210, GG 300, PY 210, SA 301, MA 105 or NS 106.

*PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall.

PS 102 THE AMERICAN POLITICAL REGIME. Spring.

PS 103 INTRODUCTION TO COMPARATIVE POLITICS. Spring.

PS 104 INTRODUCTION TO AMERICAN POLITICAL PROCESSES. Fall.

*PS 107 POLITICS AND THE STUDIES OF POLITICS. Spring.

Political Theory
*PS 101 (see above)
*PS 107 (see above)
PS 200 EMPIRICAL POLITICAL ANALYSIS. Spring.

PS 317 CLASSICAL POLITICAL PHILOSOPHY. Fall.

PS 318 POLITICAL PHILOSOPHY: MODERNITY. Spring.

(PS 401 SEMINAR ON POLITICAL PHILOSOPHY: LIBERALISM AND MARXISM)

PS 409 SEMINAR IN POLITICAL PHILOSOPHY. Fall. Replace first sentence with: Study of Aristotle's political science, chiefly his Nicomachean Ethics, Politics and Rhetoric.

American Political Institutions
PS 102 (see above)
PS 104 (see above)
PS 208 THE POLITICS OF THE U.S. CONGRESS. Spring.

PS 212 THE POLITICS OF THE FEDERAL BUREAUCRACY. Deleted. Replaced by PS 312.

(PS 305 AMERICAN CONSTITUTIONAL LAW: THE FEDERAL SYSTEM)

PS 306 AMERICAN CONSTITUTIONAL LAW: INDIVIDUAL RIGHTS. Fall. New Prerequisites. (Juniors and Seniors with PS 102.)

(PS 310 POLITICAL PARTIES AND INTEREST GROUPS IN AMERICA)

PS 312 THE POLITICS OF THE FEDERAL BUREAUCRACY. (Formerly PS 212.) Spring. New Course. Our concern in this course will be to analyze the federal bureaucracy as a political institution. While most bureaucrats are not political in the partisan sense, they are very political in the sense of wanting to increase the resources (budgetary, policy, personnel) available to their agencies, and wanting to establish relationships with external constituencies. We will pay particular attention to the phenomenon of "subgovernments," the alliances among bureaucrats, members of Congress, and interest groups which exist in many policy areas. Other topics will include bureaucratic personnel systems, the budgetary process, incremental vs. comprehensive theories of decision-making, the gap between formulating and implementing policies, and government reorganization. (PS 104 is helpful, but not required.) Mr. Davis.

PS 402 SEMINAR IN CONSTITUTIONAL LAW: LIBERALISM AND CONSTITUTIONALISM. Spring. New Course. What is the proper relationship between the judiciary and the political branches of government in a liberal democracy such as the United States? Since our constitution is both a frame of government and our fundamental law, Tocqueville correctly observed that "there is hardly a political question which does not sooner or later turn into a judicial one". We know also that a constitution, to endure, must be "adapted to the various crises of human affairs" (Marshall). But what happens when the constitution is subjected to a realist's scrutiny and both legal rights and access to the courts are expanded? Do we get judicial supremacy? If so, is that compatible with our form of self-government? The object of this seminar is to study judicial and scholarly accounts of the judicial function in American government. Our study will include the writings of Marshall, Holmes, Cardozo, Brandeis, Frankfurter, Black, Corwin, Bickel, Berger, Dworkin, Ely, and Cox. Students will write several short papers and one twenty page paper. (Junior and senior majors with PS 305 or PS 306.) Mr. Dry.

PS 425 SEMINAR ON THE AMERICAN PRESIDENCY. Fall.

Comparative Politics

PS 103 (see above)

PS 220 ASIAN POLITICS. Fall.

PS 225 WEST EUROPEAN POLITICS. Fall. New Description. A comparative study of the contemporary political systems of France, Great Britain, Italy, and the Federal Republic of Germany. The first few lectures and readings will set forth how government now works in Western Europe; we will review the institutions, actors, processes, and ideologies critical to political life in each of the four countries. The second part of the course will place the current systems in historical perspective. We will examine each country's earlier response to the crucial problems of European political development: the parliamentary challenge to executive prerogative, the extension of the suffrage, the emergence of an industrial working class and the decline of the peasantry, the growth of the central state, the rise of political parties, and the evolving relations of Church and State. The final part of the course will consider in a comparative perspective, first, the ways in which contemporary political participants mobilize to promote or to thwart change, the determination of different definitions of desired change or stability, and the implications and impact of the strategies adopted, and secondly, the interaction between the state and the economy and its consequences for democratic politics. In this last part of the course, due attention will be given to non-historical explanations of current political patterns. Ms. Sa'adah.

PS 227 SOVIET POLITICS. Fall.

PS 321 POLITICAL ORGANIZATIONS AND THE POLITICAL PROCESS. Deleted.

(PS 326 COMPARATIVE FOREIGN POLICY)

PS 328 COMPARATIVE COMMUNISM. Spring. New Description. A study of Communist politics and ideology from the movement's cradle in Soviet Russia to its various manifestations in the contemporary world. The course examines the history of international Communism, selected cases of Communist revolutions, and the transformation of Communist parties into ruling regimes. Mr. Kraus.

PS 404 SEMINAR ON THE POLITICAL ECONOMY OF DEVELOPMENT. Fall.

PS 406 SEMINAR ON POLITICS IN FRANCE. Spring. New Description. The first few weeks of this course will seek to provide the historical background requisite for an understanding of contemporary France; readings and discussions will focus on the social, political, cultural, and economic legacies of the Third Republic, the war years, and the Fourth Republic. Topics to be studied include: the impact and evolution of Gaullist political institutions; changes and continuities in the party system and in patterns of political cleavage and participation; the recasting of foreign policy and national identity in the aftermath of decolonization; the role of trade unions in political and social life; the political impact (or lack thereof?) of postwar economic change and social transformation; the changing social and political position of the Church and of Catholics; the fate of the "bureaucratic phenomenon"; the limits of state-sponsored reform; the role of voluntary associations, pressure groups, and marginal political parties; the problem of political control; the politics of information; the political response to the current economic crisis; perspectives on the future. (Permission.) Ms. Sa'adah.

International Relations and Foreign Policy

PS 201 INTERNATIONAL POLITICS. Fall.

(PS 202 CONTEMPORARY INTERNATIONAL RELATIONS)

PS 302 INTERNATIONAL CONFLECT RESOLUTION. Deleted.

PS 311 AMERICAN FOREIGN POLICY. Fall. New Description. A critical examination of the elaboration, implementation, and impact of American foreign policy since World War II. We will seek to identify and account for changes and continuities apparent across the three major phases of postwar American foreign policy: the Cold War, the era of detente, and the post-Kissinger period. Topics to be considered include: the origins of the Cold War; the reconstruction of Europe; the policy of containment; alliance politics; the nuclear revolution, deterrence, and arms control; American participation in international organizations; relations with the Third World; intervention in Indochina; the democratic control of foreign policy and the problems it poses; America's role in the world economic system; the opening to the People's Republic of China; the invasion of economic issues; the frustrations of interdependence. We will assess the relative weight of such factors

as domestic politics and political institutions, economic interests, the structure of the international system and the nature of the other players, the legacy of past history and the persistence of an American style of conduct in foreign policy, and bureaucratic politics in shaping the content and form of American foreign policy. The origins of the Cold War and the unfolding of the War in Indochina will receive particular attention: we will use what happened in each case as an opportunity to test the relative usefulness of various coherent models of foreign policy explanation.

(PS 405 SEMINAR ON THE CAUSES OF WAR)

PS 408 SEMINAR ON UNITED STATES-SOVIET RELATIONS. Spring. New Course. An overview of U.S.-Soviet relations in both historical and contemporary contexts. The seminar explores the political, ideological, economic and military aspects and examines those factors that have historically influenced the competitive and the cooperative dimensions of this relationship. (Permission.) Mr. Kraus.

PS 412 SEMINAR ON DIPLOMACY. Spring. New Description. The course provides an overview of the development of modern diplomacy, the problems faced by contemporary diplomatists, and some ot the newer approaches employed by scholars in attempting to understand the dynamics of inter-nation bargaining. The course begins with a substantive examination of the development of modern diplomacy as seen in the key peace treaties from Westphalia to Potsdam. This is followed by consideration of some selected empirical studies of diplomacy and inter-nation bargaining in the contemporary era. The last part of the course is devoted to a case study of one of the most complex diplomatic problems in today's world: the Arab-Israeli dispute. (PS 201 is recommended.) Mr. Leng.

(PS 417 SEMINAR ON DOMESTIC POLITICS AND AMERICAN FOREIGN POLICY)

Independent Projects
PS 500 ADVANCED PROJECTS

PS 700 HONORS

PSYCHOLOGY

Professors: A. Hunt Ewell, David Prouty (chairman). Assistant Professors: Bob Osborne, Marc Riess.

Major Program: Change Senior Program copy (paragraph 4) to: All majors in Psychology must complete two of the advanced seminar courses in Psychology. These are PY 411, PY 415 (or PY 421), PY 416 (or PY 417), PY 426. PY 703 may be substituted for one of these advanced courses.

Change the first sentence under Joint Major in Biology and Psychology (paragraph 6) to: For students interested inthis joint major, the requirements are: BI 110 or BI 125, BI 225, and four electives in Biology.

PY 105 INTRODUCTION TO PSYCHOLOGICAL THOUGHT. Fall, Spring.

PY 201 LOGIC OF STATISTICAL ANALYSIS. Fall. New Description. This course emphasizes a conceptual approach to the problems of introductory statistical analysis. Topics include descriptive statistics through bivariate correlation, and techniques of inference through chi-square and simple analysis of variance. Some arithmetic is required but it seeks to elucidate principle rather than to process large batches of data. (Open to freshmen and sophomores with PY 105 or permission. Upperclassmen must have permission.) Mr. Ewell.

PY 202 PSYCHOPHYSICS. Spring.

PY 203 SOCIAL BEHAVIOR. Fall.

PY 204 PERSONALITY PSYCHOLOGY. Spring.

PY 207 CONDITIONING AND LEARNING. Spring. New Description. This course introduces the research and theories relating to how animals learn about the causal structure of their environment. A contemporary review of principles generated by the experimental analysis of behavior is considered within the context of a psychobiological approach to learning and behavior. (PY 105 or permission.) 3 hrs. lect, lab. Mr. Osborne.

PY 208 MEMORY AND CONCEPTUAL PROCESSES. Fall.

PY 225 CHILD PSYCHOLOGY. Spring.

PY 301 PHYSIOLOGICAL PSYCHOLOGY. Fall.

PY 305 COGNITIVE DEVELOPMENT. Spring.

PY 314 RESEARCH IN SOCIAL AND PERSONALTIY PSYCHOLOGY. Spring. (Formerly PY 414 - See PY 414 for description.)

PY 321 NONVERBAL BEHAVIOR AND COMMUNICATION. Deleted. Changed to PY 421.

PY 325 ABNORMAL PSYCHOLOGY. Fall.

PY 350 DIRECTED RESEARCH IN PSYCHOLOGY. Fall, Spring.

PY 411 CONTEMPORARY ISSUES IN PSYCHOLOGY. Fall.

PY 415 SELF PRESENTATION. Fall. New Course. In social interaction we often consciously or non-consciously (i.e., out of awareness) attempt to influence the impressions of ourselves that we project to others. These activities, referred to as self-presentation or impression management, will be considered in detail from both psychological and sociological perspectives in this seminar course. First, we will consider the nature of self-presentation and its place in interpersonal relationships. Then we will examine the role of the self-concept in self-presentation. Finally, we will explore how people construct, protect, maintain, and enhance social identities through verbal and nonverbal tactics of impression management. (PY 203 and a course in quantitative research methodology - e.g., PY 201, NS 106, SA 301) Mr. Riess.

PY 416 LIMBIC SYSTEM. Spring. New Course. The limbic system consists of a number of phylogenetically old, highly inter-connected, forebrain structures thought to be involved in complex behavioral systems (motivational, emotional, learning, and memory). This seminar course will utilize recent journal literature on limbic system functions both to understand this complex system and to develop skills necessary for evaluating theories, carrying out critical reviews and/or developing specific research proposals. (PY 301 or permission.) Mr. Osborne.

(PY 417 PHYSIOLOGICAL BASIS OF LEARNING AND MEMORY) Offered in Spring 1982-83.

(PY 421 NONVERBAL BEHAVIOR AND COMMUNICATION--Formerly PY 321) Offered in Fall, 1982-83.

PY 426 PSYCHOANALYSIS. Spring.

PY 500 ADVANCED RESEARCH. Fall, Spring.

PY 703 HONORS CANDIDACY. Spring.

RELIGION

Professors: Robert Ferm (chairman), Charles Scott. Associate Professor: Steven Rockefeller. Instructor: Donald Lopez. Visiting Instructor: Steven Kepnes.

Introductory Courses

*RE 105 AN INTRODUCTION TO THE ENGLISH BIBLE. Spring.

*RE 110 INTRODUCTION TO WESTERN RELIGIOUS LIFE AND THOUGHT. Spring.

*RE 115 INTRODUCTION TO EASTERN RELIGIOUS LIFE AND THOUGHT. Fall. New Description. An introduction to the central figures and key concepts on the major religious traditions of Asia: Hinduism, Buddhism, Confucianism and Taoism. The values which shaped the classical civilizations of India, Tibet, China and Japan will be studied through the principal texts of each tradition. Mr. Lopez.

RE 204 THE JEWISH, CHRISTIAN AND ISLAMIC TRADITIONS. Spring. New Description. An introduction to the major western religious traditions. The course will focus on the historical development of their literature and institutional expression and on the effect of modern social and intellectual change on their structure and beliefs. Mr. Ferm, Mr. Kepnes, Mr. Lopez.

(RE 209 THE HINDU TRADITION)

RE 210 THE BUDDHIST TRADITION. Fall. New Description. An introduction to the history of Buddhist thought and practice in India, Tibet, China, and Japan. The course is designed for both the student with no background in Indian religion as well as for the student interested in exploring the Buddhist tradition at a more advanced and specialized level. The course will deal with such basic topics as the life of the Buddha and the Four Noble Truths as well as the advanced topics of Madhyamika philosophy, Buddhist tantra, the Chinese transformation of Buddhism, and Japanese contributions to Buddhist practice. Mr. Lopez.

RE 211 THE CHINESE TRADITION. Spring. New Course. The development of Chinese religion and philosophy from the prehistoric period through the Ming Dynasty. Confucianism, Taoism (both philosophical and religious) and the rise and decline of Buddhism in China will be studied, using major texts from each tradition. The course is designed for students with previous work in Chinese thought as well as for those with no background. Mr. Lopez.

RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS. Fall. New Course. The study of Japanese indigenous religious beliefs from pre-historic times to the late 19th century. The course emphasizes the question of the evolution and changes of a unique religious syncretism in socio-cultural contexts. Mr. Miyaji.

*RE 220 THE SHAPING OF AMERICAN RELIGIOUS LIFE. Fall.

(RE 280 STUDIES IN THE OLD TESTAMENT)

RE 281 STUDIES IN THE NEW TESTAMENT. Fall. New Description. A study of the formation and interpretation of the New Testament materials which portray the life and significance of Jesus of Nazareth. The Gospels will be read thoroughly as well as selected Epistles and commentaries. Mr. Scott.

RE 301 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE NINETEENTH CENTURY. Fall. New Description. Comparative studies in the writings of selected 19th century Jewish and Christian thinkers including Schleiermacher, Feuerbach, Kierkegaard, Nahman of Bratzlaw, Geiger, Emerson and Cardinal Newman, with a primary emphasis on interpretations of the idea of God, the nature of religious experience, and what it means to be a religious person and to lead a religious life. (Permission.) Mr. Kepnes.

RE 302 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE TWENTIETH CENTURY. Spring. New Description. A presentation of the views of God and religious ways of life of 20th century Jewish and Christian figures: Martin Buber, Franz Rosenzweig, Paul Tillich, H. Richard Niebuhr, and Hans Kung. Attention will also be given to themes in holocaust theology, third world liberation theology, and feminist theology. (Permission.) Mr. Kepnes.

RE 303 THEORIES OF RELIGION. Spring. New Description. Religion is a perplexing and highly ambiguous phenomenon. There is a conflict of interpretations on what it is. We will attempt to answer the question, "What is religion?" by examining the theories of social scientists, phenomenologists and literary critics. Readings will be from the works of Freud, Durkheim, Turner, Otto, Eliade, Kermode, and Crites. (Permission.) Mr. Kepnes.

(RE 305 CONTEMPORARY SOCIAL ETHICS)

RE 306 THE PURITAN TRADITION IN AMERICA. Fall. New Description. A study of the major figures and issues in Puritanism during the 17th and 18th centuries. The course will also deal with how these issues changed during the 19th and 20th centuries. (RE 220 or Permission.) Mr. Ferm.

RE 308 SEMINAR IN AMERICAN RELIGIOUS HISTORY. Spring. Topic for 1981-82 same as topic for 1980-81.

RE 310 SEMINAR IN BIBLICAL THEOLOGY. Fall. Topic for 1981-82 same as topic for 1980-81.

RE 311 BUDDHIST PHILOSOPHY. Spring. New Description. A detailed study of the Madhyamika school and its importance in India, China, and Tibet. Special attention will be given to the topics of the two truths, the role of reasoning, the structure of the path to enlightenment, and the interpretation of scripture. Students will have the opportunity to study and analyze the major texts of the school as well as to assess modern interpretations of Madhyamika. (Permission.) Mr. Lopez.

RE 312 BUDDHIST AND CHRISTIAN ENLIGHTENMENT. Fall. New Title and New Prerequisite. (Permission.)

RE 335 PSYCHOLOGY AND RELIGION. Fall. New Course. A study of the relation of Psychology and Religion, focusing on the writings of Freud, Jung, James, Erikson, Ricouer and Rieff. Particular attention will be given to the use of symbol and story in psychological theory and religious discourse. (Permission.) Mr. Kepnes.

(RE 340 SEMINAR IN THE HISTORY OF RELIGION)

RE 500 INDEPENDENT RESEARCH

RE 700 SENIOR RESEARCH FOR HONORS CANDIDATES

(RE 702 SENIOR SEMINAR)

Cognate courses which may be credited toward the requirements for the religion major remain unchanged, but all are bracketed for 1981-82.

RUSSIAN

Professor: Robert Baker (chairman). Assistant Professor: Thomas Beyer. Visiting Assistant Professor: Alan Smith (at Middlebury in Moscow). Instructor: Jane Miller. Lecturer: Alexandra Baker.

RU 101 BEGINNER'S RUSSIAN. Fall.

RU 102 BEGINNER'S RUSSIAN. Spring. Mr. Baker and Staff.

RU 104 RUSSIAN FOR READING. Spring.

*RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880) (PISTOLS, POETS, PRISONERS AND PROSTITUTES) (IN ENGLISH). Fall. Mr. Beyer.

*RU 152 REVOLUTIONARY LITERATURE IN A REVOLUTIONARY SOCIETY: RUSSIAN MODERNISM (1880-PRESENT) (IN ENGLISH). Spring. Mr. Beyer.

RU 201 INTERMEDIATE RUSSIAN. Fall. Mrs. Baker.

RU 202 INTERMEDIATE RUSSIAN. Spring. Mrs. Baker.

RU 301 RUSSIAN CONVERSATION AND COMPOSITION. Fall.

RU 302 RUSSIAN CONVERSATION AND COMPOSITION. Spring.

RU 311 MASTERPIECES OF RUSSIAN LITERATURE. Fall. Staff.

RU 312 MASTERPIECES OF RUSSIAN LITERATURE. Deleted.

RU 313 RUSSIAN MASTERPIECES OF THE TWENTIETH CENTURY. Deleted.

(RU 314 RUSSIAN POETRY)

RU 321 SOVIET MAN AND HIS WORLD. Spring. Staff.

(RU 351 DOSTOEVSKY (IN ENGLISH))

RU 352 TOLSTOY (IN ENGLISH). Fall. New Description. A study of the major works of the literary giant of Russia and the world. The major emphasis will be on discussion of Tolstoy's novels with background lectures on material not available to non-Russian scholars. No knowledge of Russian is required. Staff.

RU 354 CHEKHOV (IN ENGLISH). Spring. New Description. The development of Chekhov as a short story writer, dramatist and Russian literature's first conscious modernist. The majority of the course will be devoted to an analysis of Chekhov's "mature" stories (post-1885) and his four major plays. (No knowledge of Russian is required.) Staff.

RU 401 ADVANCED LANGUAGE STUDY. Fall. Staff.

RU 402 ADVANCED LANGUAGE STUDY. Spring. Staff.

(RU 411 SEMINAR: PUSHKIN)

(RU 421 THE RUSSIAN REVOLUTION AND THE ARTS)

RU 500 ADVANCED STUDIES IN LANGUAGE AND LITERATURE. Fall, Spring.

RU 700 SENIOR INDEPENDENT STUDY PROJECT. Fall, Spring.

RU 704 SENIOR SEMINAR. Fall, Spring. Staff.

SOCIOLOGY-ANTHROPOLOGY

Professors: David Andrews, Rudolf Haerle (chairman). Assistant Professors: Kitty Calavita (on leave), James McGough, Margaret Nelson.

Introductory Courses

SA 103 SELECTED TOPICS IN SOCIO-CULTURAL ANTHROPOLOGY. Spring.

*SA 105 SOCIAL MAN AND SOCIAL ORDER: ISSUES IN FREEDOM AND CONSTRAINT. Fall, Spring.

SA 190 THE EVOLUTION OF MAN AND PREHISTORIC CULTURES. Fall.

Theory and Method

SA 205 TOPICS IN SOCIAL THOUGHT--STABILITY AND CHANGE. Fall. Ms. Nelson, Mr. McGough.

SA 301 THE RESEARCH PROCESS--SOCIOLOGY. Spring.

SA 302 THE RESEARCH PROCESS--ANTHROPOLOGY. Fall.

SA 303 FIELD EXCAVATION TECHNIQUES IN ARCHAEOLOGY. Summer. (This course has not yet been approved by Curriculum Committee.)

SA 304 LABORATORY ANALYSIS IN ARCHAEOLOGY. Spring. (This course has not yet been approved by Curriculum Committee.)

Social Organization and Comparative Institutions

SA 250 ECONOMIC ANTHROPOLOGY. Deleted.

SA 315 SOCIOLOGY OF EDUCATION. Spring. New Description. An examination of education as both a social institution and social process. Topics include the relationship of education to socialization, the social psychology of learning, the relation of educational institutions to other social structures, the influence of culture on moral education, the bearing which factors such as family background, sex and ethnicity have on the quality and content of the schooling process, the relation of various methods and types of education to the surrounding environment and the actual and potential role of education as an agent for social change. The substantive focus is on American society. (SA 105 or permission.) (This course will receive Teacher Education credit.) Ms. Nelson.

SA 316 THE SOCIOLOGY OF YOUTH. Spring. New Description. In the United States, the transition to adulthood is vaguely defined, resulting in an adjustment period characterized by "sturm and drang." The problems to which this course addresses itself spring from a set of historical, demographic, biological, cultural, economic and institutional forces and developments. Within the framework of a youth culture and peer group support, we shall explore the following type of issues: problems of social and sexual identity and maturity,youth in history and fiction, alienation and political activism, the generation gap, athletic participation and educational experiences, training for work and occupational aspirations, juvenile delinquency, and an overarching concern with ethnic and class differentiations. Alternative solutions to the problems of youth will be considered and evaluated. (SA 105 or permission.) Mr. Haerle.

(SA 337 POLITICAL SOCIOLOGY)

(SA 345 WORK, LEISURE AND SPORT) Offered in 1982-83.

(SA 370 INEQUALITY AND SOCIAL JUSTICE)

(SA 380 THE ANTHROPOLOGY OF RELIGION) Offered in 1982-83.

SA 385 MEDICAL SOCIOLOGY. Spring. New Description. An introduction to the social organization of modern medical institutions such as hospitals, clinics and rehabilitation agencies. Problems of communication and role relationships among professionals

and between patients and medical personnel. The impact of structures and role relationships on the quality and quantity of medical care and on the use of resources will be examined. Analysis of the sick role and the impact of illness. An exploration of man's social activities - economic, residential, familial - in relation to his health. (SA 105 or permission.) Ms. Nelson.

SA 387 SOCIOLOGY OF LAW. Spring. Staff.

SA 390 THE SOCIOLOGY OF WOMEN. Fall. New Description. The social history of American Women from early Colonial times to the present. A consideration of women's place in American society, how society looked at them, the restraints upon women's activities and development, the way these restraints were embodied in social norms and laws, and the changes following urbanization and industrialization. Particular groups of women (e.g., "mill girls," slave women) will be examined in light of general themes such as employment, education, the family and sexuality. Ms. Nelson.

(SA 391 ADVANCED TOPICS IN THE SOCIOLOGY OF WOMEN)

SA 399 SOCIOLOGY OF INTERNATIONAL ECONOMY. Deleted.

Area Studies

(SA 321 NATIVE PEOPLES OF NORTH AMERICA) Offered in 1982-83.

(SA 322 NATIVE PEOPLES OF SOUTH AMERICA)

SA 326 LATIN AMERICAN CULTURE AND SOCIETY. Fall.

SA 327 NORTH AMERICAN PREHISTORY. (This course has not yet been approved by Curriculum Committee.)

SA 330 PERSPECTIVES OF AMERICAN SOCIETY AND CULTURE. Spring. New Course. This course will present an overview of the society and culture of the United States by examining the four bases for major sub-societies/cultures, i.e., ethnic groups, social class, rural-urban residence and regionalism. An additional element of this perspective will be to examine similarities and differences in values and social institutions across these sub-cultural societies. Three hours of lecture and one hour of film. Mr. Andrews.

SA 335 CHINESE SOCIETY AND CULTURE. Spring.

Social Process and Social Problems

SA 343 AMERICAN COMMUNITY STUDIES. Fall.

(SA 344 URBAN SOCIOLOGY)

SA 351 PSYCHOLOGICAL ANTHROPOLOGY. Fall. New Description. Which psychological theories and concepts are pan-human and which are culture-bound? A survey of the major anthropological approaches to things broadly "psychological" will deal, in part, with the relationships between socio-cultural systems and the following topics: cognition, perception, interpersonal and intergroup relations, attitudes, values, socialization, psychopathology, deviance, choice and strategy and personality. (SA 103 or permission.) Mr. McGough.

SA 352 SOCIAL PSYCHOLOGY. Spring. Staff.

SA 354 ETHNIC GROUPS IN THE UNITED STATES. Spring.

(SA 360 BUREAUCRACY AND AUTHORITY)

SA 388 DEVIANCE. Fall. Staff.

(SA 495, 496 SEMINAR IN SOCIOLOGY-ANTHROPOLOGY)

SA 500 ADVANCED INDIVIDUAL STUDY. Fall, Spring.

Senior Program

SA 700 SENIOR ESSAY. Fall.

SA 710 SENIOR THESIS. Fall, Winter.

Professor: Roger Peel (on leave). Associate Professor: Roberto Véguez. Assistant Professors: Alicia Andreu (on leave), René Prieto. Instructors: David George, Giuseppe Faustini.

SPANISH

Joint Majors: Change the second sentence to read: Other requisites include SI 300 and at least one of the following courses: SI 301, SI 313, plus the senior research seminar.

SI 101 INTENSIVE BEGINNING SPANISH. Fall.

SI 102 CONTINUING SPANISH. Spring.

SI 201 INTERMEDIATE SPANISH. Fall, Spring.

SI 219 SELF EXPRESSION IN SPANISH. Staff.

(SI 220 SPANISH CONVERSATION)

SI 300 AN INTRODUCTION TO THE STUDY OF HISPANIC LITERTURE. Fall, Spring. Mr. George.

SI 301 THE HISPANIC TRADITION IN LITERATURE. Fall. Staff.

SI 303 THE HISPANIC TRADITION IN LITERATURE: SPANISH AMERICAN LETTERS FROM THE NINETEENTH CENTURY TO THE PRESENT. Spring. Mr. Prieto.

(SI 315 EL ARTE DELA TRADUCCION: PROBLEMAS Y SOLUCIONES)

(SI 320 INTRODUCTION TO SPANISH CULTURE AND CIVILIZATION)

SI 325 INTRODUCTION TO BRAZIL. Spring. New Description. An examination of modern Brazil in the light of historical influences and sociological and cultural regional difference. Readings will be in Portuguese and will include newspaper and magazine articles, novels and short stories. Given in Portuguese. Mr. George.

(SI 330 LATIN AMERICAN CULTURE)

SI 402 CERVANTES Y EL DON QUIJOTE. Spring. New Description. A detailed discussion and analysis of the "Quijote" with additional readings from major literary-cultural sources and presentations of major critical interpretations from the 17th century to the present. Staff.

(SI 407 LA NOVELA ESPAÑOLA DE POS-GUERRA)

(SI 415 LA COMEDIA ESPAÑOLA DEL SIGLO DE ORO)

(SI 419 THE CONTEMPORARY SPANISH AMERICAN NOVEL)

SI 420 VIOLENCIA Y PASION. Spring.

SI 435 TALLER DE TEATRO. Fall.

(SI 440 SEMINAR: WOMEN IN HISPANIC LITERATURE)

SI 500 INDEPENDENT STUDY. Fall, Spring.

SI 700 SENIOR RESEARCH SEMINAR. Fall. Mr. Prieto.

SI 705 SENIOR HONORS THESIS. Spring.

ITALIAN

The Major: Change the first sentence to read: A total of not fewer than eleven courses beyond SI 151 and SI 152 is required including two courses chosen from SI 352, SI 353, SI 459 or the equivalent, and also SI 750.

Add Section entitled Joint Majors: The Italian component of a joint major will consist of at least seven courses from departmental offerings, with no more than two at the 100 or 200 level, plus the Senior Seminar, SI 750. A project which combines the two fields of study in the joint major and which is agreed upon by the chairmen of both departments can be substituted for SI 750.

SI 151 INTENSIVE BEGINNING ITALIAN. Fall. Staff.

SI 152 INTENSIVE BEGINNING ITALIAN. Spring. Staff.

SI 251 INTERMEDIATE ITALIAN. Fall. Staff.

SI 252 ADVANCED ITALIAN. Spring. Staff.

(*SI 290 DANTE: THE DIVINE COMEDY (IN ENGLISH))

(SI 292 FROM MEDIEVAL TO HUMANISTIC THOUGHT IN ITALIAN LITERATURE (IN ENGLISH))

SI 352 LITERATURE OF THE RENAISSANCE. Fall. New Course. Selected texts from the major writers of the Quattro and Cinquecento, supplemented with readings that give a historical and cultural perspective on the times. The course will concentrate first on humanistic prose writings (Alberti, Pico della Mirandola, Machiavelli, Castiglioni), then examine the lyric and epic poetry of Poliziano, Lorenzo il Magnifico, Ariosto and Tasso. 3 hours per week. Staff.

SI 353 ROMANTIC AND EARLY MODERN ITALIAN LITERATURE. Spring. New Description. An introduction to the major writers of the Romantic and Modern periods. Selections from Foscolo and Leopardi will illustrate the basic concerns of the Italian Romantics and lead to readings of the great modern poets: Montale (Nobel Prize Winner - 1975), Ungaretti, Campana and others. The narrative prose of the Otto and Novecento will be examined through works of Manzoni, Verga and Pirandello with emphasis on the changing views of life and art expressed in Manzoni's "romanticism", Verga's realism, and Pirandello's definition of the dilemma of modern man. Staff.

(SI 375 ITALIAN CINEMA: FROM FICTION TO FILM)

(SI 459 MODERN ITALIAN FICTION: THE ROLE OF THE INDIVIDUAL IN ITALIAN NOVELS OF THE TWENTIETH CENTURY)

SI 550 INDEPENDENT STUDY

SI 750 SENIOR SEMINAR. Fall. Staff.

TEACHER EDUCATION

Associate Professor: Maureen Evans (chairwoman). Lecturers: Joanna Hall, Dori Rockefeller, Betsy Thurber.

TE 200 FOUNDATIONS OF EDUCATION. Fall.

TE 205 METHODS OF TEACHING LANGUAGE ARTS IN THE ELEMENTARY SCHOOL. Spring. Ms. Hall.

TE 210 METHODS OF TEACHING MATHEMATICS IN THE ELEMENTARY SCHOOL. Fall.

TE 220 TEACHING READING AND STUDY SKILLS IN SECONDARY SCHOOL SUBJECTS. Fall. Ms. Evans, Ms. Thurber.

TE 404 CURRICULUM DEVELOPMENT IN ELEMENTARY SCHOOLS. Fall, Spring. Ms. Hall.

TE 405-406-407 STUDENT TEACHING IN ELEMENTARY EDUCATION. Fall, Spring. Staff.

TE 414 PROBLEMS AND METHODS IN SECONDARY EDUCATION. Fall, Spring. Ms. Thurber.

TE 415-416-417 STUDENT TEACHING IN THE SECONDARY SCHOOL. Fall, Spring. Staff.

FIELD EXPERIENCE IN TEACHER EDUCATION: THE TEACHER ASSISTANT PROGRAM. WINTER TERM ONLY.

The Professional Semester. Copy remains the same.

Professors: Ted Perry, Chandler Potter. Associate Professor: Douglas Sprigg. Assistant Professors: Dana Holby, Caryn McHose, Kay Wylie.

Major Program: All courses remain the same.

Freshman Writing Program: Change to: Foundations Course and Freshman Writing Program: The following Foundations course has a section that satisfies the freshman writing requirement. Look under "American Literature" for a complete description of the writing requirement.

TH 106 INTRODUCTION TO DRAMA STUDIES. Deleted.

*TH 116 MASTERS AND MASTERWORKS OF THEATER. Fall, Spring. (One section of this course will fulfill the freshman writing requirement.) Staff.

Departmental Courses

TH 102 ACTING I. Fall, Spring.

TH 202 ACTING II. Spring.

TH 206 TWENTIETH CENTURY EXPERIMENTS. (Changed to TH 306.)

TH 213 STAGES AND LIGHTING DESIGN. Fall.

TH 214 DIRECTING I. Fall.

TH 218 INTRODUCTION TO PLAYWRITING. Fall. New Prerequisite. (Permission.) Staff.

TH 221 SCENE DESIGN. Spring.

(TH 224 DIRECTING II)

(TH 226 AMERICAN DRAMA)

TH 306 TWENTIETH CENTURY EXPERIMENTS. (Formerly TH 206). Spring. New Description. Through discussions, papers and projects, the seminars will explore major figures of 20th century theatrical theory and practice. Innovators such as Stanislavski, Brecht, Grotowski and Schumann will be considered. (Permission.) Staff.

TH 325 COSTUME DESIGN. Deleted.

TH 326 MODERN DRAMA. Spring.

TH 400 SPECIAL TOPICS. Fall, Spring. New description. Topic for 1981-82 to be announced. Staff.

TH 500 INTERMEDIATE INDEPENDENT PROJECT. Fall, Spring.

TH 700 SENIOR PROJECT. Fall, Spring.

Production Studios

TH 210 PRODUCTION STUDIO: ACTING/DIRECTING. Fall. Mr. Sprigg.

TH 219 PRODUCTION STUDIO: DESIGN/PRODUCTION. Fall.

TH 220 PRODUCTION STUDIO: ACTING/DIRECTING. Spring. Mr. Perry.

TH 229 PRODUCTION STUDIO: DESIGN/PRODUCTION. Spring.

Film Courses

(*TH 117 FILM FORM AND FILM SENSE)

(TH 327 THE FILMS OF ANTONIONI)

Dance Courses

TH 140 INTRODUCTION TO DANCE. Fall, Spring. Staff.

TH 216 ANATOMY AND KINESIOLOGY. Fall. Ms. McHose.

TH 225 DANCE HISTORY. Fall.

TH 260 INTERMEDIATE DANCE TECHNIQUE. Fall, Spring. Staff.

TH 261 INTERMEDIATE DANCE TECHNIQUE. Fall, Spring. Staff.

TH 302 COMPOSITION AND IMPROVISATION. Fall, Spring.

TH 360 ADVANCED DANCE TECHNIQUE. Fall, Spring. Staff.

TH 361 ADVANCED DANCE TECHNIQUE. Fall, Spring. Staff.